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1902

ANNUAL CATALOGUE

ESTABLISHED 1858

INCORPORATED 1896.



SEEDS

IMPLEMENTS & C.

KENDALL & WHITNEY

PORTLAND,

ME.

FEDERAL AND
TEMPLE
STREETS.

Established
1858

1902

Incorporated
1896

Once more it is our pleasure to extend a hearty greeting to our friends and customers, and to thank them again for their continued patronage, which we have endeavored to merit by constant and careful attention to the business entrusted to us, and now with the opening of the New Year, all, the trader and the farmer, look forward to the advent of spring, and to another year of activity in the pursuit of business.

How may the farmer maintain, and possibly increase, the earning capacity of his land, is the question, and surely it is answered by care and foresight in procuring and using the *choicest seeds only*, the *most productive fertilizers*, and the *most labor saving implements*, which, together with constant and skillful labor, can hardly fail to bring to the farmer increasing prosperity, and while there are many openings in store and factory, yet agriculture will remain the calling of a large majority, and the real basis of national prosperity.

In our Catalogue will be found the names of *well-known standard varieties* of Seeds, proven to be the most valuable of their kinds for this climate, and we assure you that our motto is continually

THE BEST SEEDS THE BEST GROWERS PRODUCE,
for we realize that in all classes of goods, in Seeds, Fertilizers or Implements,

THAT QUALITY IS FIRST TO BE DESIRED.

Dealers, Market Gardeners and Institutions requiring large quantities of seeds, *are invited to write* us for quotations, and *special price* lists.

We shall be pleased to answer all correspondence promptly.

Seeds forwarded by *Mail or Express*, as the purchaser may wish.

All sums to the amount of one dollar and upwards may be sent at our risk if forwarded according to the following directions, viz: by Post Office Money Orders, Bank Drafts or Cash sent in a Registered Letter.

In sending an order give your *Name, Post Office, County and State* in full, as plainly as possible; your *name especially written very distinctly*. We receive many letters without the signature of the writer, which causes much trouble to us and anxiety to them. Please be particular in this respect.

Greenhouse Plants of every description furnished at short notice.

In shipping we make no charge for delivery to railroads or express companies.

Bags charged at cost.

Very respectfully yours,

Kendall & Whitney.

While we exercise the greatest care to have all Seeds pure and reliable, we do not give any warranty, Expressed or Implied.

Established 1858.

Incorporated 1896.

1902

Agricultural &
Horticultural
Implements,
Fertilizers,
Seeds, &c.

Kendall &

Whitney's

Illustrated and

Descriptive

Catalogue
of GARDEN, FIELD and FLOWER
SEEDS

Kendall & Whitney,

Seed Merchants,

Growers and

Importers,

"WHITNEY BUILDING,"

Federal and Temple Streets,
PORTLAND, ME.

Marks Printing House, Printers, Portland.

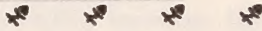
A FEW BRIEF HINTS

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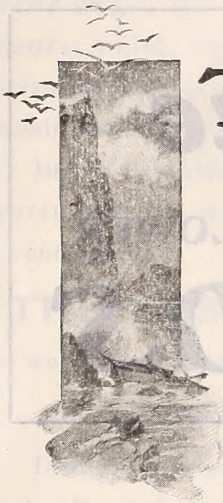
on the Sowing and Cultivation of

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FLOWER SEEDS.



THE SOIL AND ITS PREPARATION.



THE best soil for annuals and for most flowering plants, whether biennials or perennials is a light rich loam. In such they grow readily and attain to great perfection of bloom with but little care. By the application of proper manures, sand or clay, they can be brought to such a condition as to answer all the purposes of a flower garden. Deep and thorough trenching in the autumn, if possible, and the application of very old decayed manure or leaf mold, will give the amateur a well prepared and suitable soil.

Where the soil is too light, a thin layer of clay, if to be had, should be spread over the surface in the autumn, and dug in,—after being pulverized by the winter frosts—in the spring. This, with the use of old manure—that which has lain a year or more, and being frequently turned over till it becomes thoroughly decayed—will keep the garden in good condition. No unvarying rules can be given; much must be left to the judgment of the amateur. He must understand that the soil of a good garden should be deep, well pulver-

ized, friable and rich.

Where the flower garden is a specialty, then more pains ought to be taken, and those who are about to do this, if they have not the requisite information, will consult something more than a catalogue. Our hints are intended for the mass of the people who love flowers, and do not wish to incur great expense in the gratification of their taste.

PERIOD FOR SOWING.

This must depend much upon the season as well as the locality. As a general rule, the proper time to commence sowing is about the middle of April; though a few sorts may be planted as soon as the ground can be got ready; and for a succession the sowing should be continued until June. In the Southern States of course, January, February, or March will be the time to sow, as they correspond with April, May, and June at the North. To avoid all danger of injury, the sowing may be deferred till the last of April, but when a little labor is of no consideration the sowing may be made earlier, and in case of failure or injury from frost or wet, another sowing may be made when the weather is more favorable. Because we recommend April, it is not to be understood the sowing must be made at that time. If sown in any part of May, they will flower later, but abundantly throughout the latter part of the summer.

It is the great error to cover too deeply; and the cause of more than half of the complaints against seedmen of selling old and worthless seeds come from inexperience and want of judgment in sowing. No rule can be given in this respect; but as a general guide, all large seeds, such as

Sweet Peas, Lupins, etc., may be sown half an inch deep—smaller, less, and for the smallest, Clarkia, Pinks, etc., a covering of one-sixteenth of an inch will suffice. If sown too deep they are longer in germinating, and are liable to decay. Avoid the general error of sowing the seeds too thickly, as it causes an elongated and feeble growth, which no subsequent thinning will entirely remedy.

As soon as the seedlings have made three or four leaves, and are an inch high they should be thinned out. If they are kinds which will bear removal, they may be replanted in vacant spaces in the border. Tall growing plants with spreading branches will require more room than slender growing dwarf kinds. Stir the soil around the plants from time to time; and if they appear crowded, a second thinning will be of great benefit to those that remain. If the growth is not strong from the nature of the soil, apply occasionally a very small amount of guano or bone dust.

Transplanting should if possible always be done in cloudy weather, and toward evening. If the soil is dry the plants will require a light watering, to settle the earth around the roots, and if warm, sunny days succeed the operation, they will root all the better to have shade for a day or two. All large growing plants should be transplanted singly; but many of the smaller may be removed in patches without any trouble. After the plants are established, they will need no other care than to tie up the taller growing sorts to stakes, to prevent the wind and rain from beating them down, and injuring their blossoms.

GARDEN REQUISITES.

There are several aids to the economical management of the garden, which are almost indispensable; one of these is the *hot-bed* frame for the forwarding of plants for early planting. A frame made of various sizes, according to the size of the garden, from four sashes upward. The length of sash is generally seven feet by three and a half wide, the size of glass six by eight inches, making the entire frame of sashes fourteen by seven feet. The frame should have a southern or a south-eastern exposure; should be made up of fresh horse manure, and a few leaves mixed with it; this must be laid in a heap preparatory to being used, and when in a proper state of fermentation, prepared for the reception of the frame. A few inches of rich, loamy soil must be spread over the manure; then cover the frame with the sashes, and after standing a few days to allow the rank heat and steam to pass off, the seed can be sown. Where the ground is well drained, a better plan is to dig out a space the size of the frame, one or two feet deep, according to the season and the heat required, in which the manure is placed, care being taken to pack firmly and evenly.

Seeds for Associations or Clubs.

The following seeds may be selected from our Catalogue, at the prices named, and will be forwarded, postage free, to any part of the United States:

Purchasers remitting \$1.00 may select seeds in packets at Catalogue prices, amounting to \$1.25

"	"	2.00	"	"	"	"	2.50
"	"	3.00	"	"	"	"	4.00
"	"	4.00	"	"	"	"	5.50
"	"	5.00	"	"	"	"	7.00

Seeds when ordered by the ounce or pound will not be included, nor plants or bulbs.

A DESCRIPTIVE LIST

OF

FLOWER SEEDS.

Flower Seeds Sent Free by Mail on Receipt of Price.



Abronia Umbellata.

ABRONIA UMBELLATA.

Per Pkt.

Handsome, trailing annuals, with clusters of sweet-scented flowers resembling the Verbena. Fine for baskets or for the garden. Blooms from August until October. 5

ACROLINIUM.

An elegant, half-hardy annual producing beautiful everlasting flowers. Grows about one foot high.

ALBUM. PURE WHITE..... 5
ROSEUM. Bright rose color..... 5
Both colors mixed..... 5

ADONIS.

A hardy annual with very pretty foliage producing bright red flowers. Grows about one foot high and blooms for a long time. 5

AGERATUM.

Hardy annuals for beds or borders or nice for cutting. Grows about one foot high and continues in bloom all summer. MIXED..... 5

ALYSSUM.

A hardy annual about eight inches high, with clusters of small, fragrant white flowers. Fine for bedding and bouquets.

SWEET, WHITE; 1 ft..... 5
WIERSBECKII, YELLOW AND WHITE; 1 ft., *Hardy perennial*..... 5
SAXATILE COMPACTA. YELLOW; $\frac{3}{4}$ foot, *Hardy perennial*..... 5
TOM THUMB. VERY DWARF, WHITE..... 5

ANTIRRHIUM. (Snap Dragon.)

A very showy and hardy perennial, about two feet high, flowering well the first season. Sow the seeds early, in pots or under glass. 5

AMARANTHUS.

Per Pkt.

Half-hardy annuals about two feet high with finely variegated foliage. They are most brilliant on poor soil and in dry seasons. TRICOLOR..... 5

AMMOBIUM ALATUM.

A useful everlasting for making dried winter bouquets and a showy border plant growing freely in any garden soil. Hardy annual.

WHITE, 2 ft..... 5

ANAGALLIS.

Beautiful, trailing, hardy annuals about six inches high, and very desirable for small beds, edging, baskets, etc. MIXED..... 5

ASPERULA.

A most profuse blooming hardy annual attaining an average growth of one foot. The flowers of which are a beautiful, light blue, are very sweet scented, and last a long while in perfection. BLUE, 1 ft..... 5

ASTER.

Very beautiful and popular half-hardy annuals, growing from ten to eighteen inches high. For profusion of flowers and richness of display, the Asters are unrivaled. Sow the seed early in the spring under glass or in pots in the house and transplant into rich soil, about one foot apart.

COCARDEAU OR CROWN. The flowers of this variety have large white centers bordered with scarlet, carmine, violet or blue, attractive and beautiful, $1\frac{1}{2}$ ft..... 5

DWARF PYRAMIDAL BOUQUET. The plants when well grown, form a complete bouquet of flowers of splendid mixed colors; 1 ft..... 10

DWARF CHRYSANTHEMUM FLOWERED. A free bloomer with large flowers; mixed; 1 ft..... 10

TALL CHRYSANTHEMUM FLOWERED. Taller than the preceding, mixed .. 10

GIANT EMPEROR. Brilliant and beautiful colors, flowers very double and of immense size, mixed, 2 ft..... 10

ROSE FLOWERED. A fine variety; flowers very double; mixed; 2 ft..... 10

TRUFFAUT'S PEONY-FLOWERED PERFECTION. The earliest flowering variety; flowers very double; fine mixed colors; 2 ft..... 10

MIGNON. A class of semi-dwarf habit flowering profusely, very popular, especially with florists.

PURE WHITE .. 10

MIXED COLORS..... 10

GERMAN QUILLED. Perfectly double quilled flowers of beautiful mixed color; 2 ft..... 5



Comet Aster.

ASTER—Continued.

	Per Pkt.
COMET. A variety of great beauty. Grows in a pyramidal form 13 to 15 inches high, covered with large double flowers with long curled petals; choicest mixed varieties.....	10
QUEEN OF THE MARKET. Finest mixed, very early.....	10
VICTORIA. Very large of perfectly double form; mixed; 1¾ ft.....	10
WHITE.....	10
CARTER'S WHITE PLUME. The most magnificent white Aster yet produced; height about 15 inches.....	15

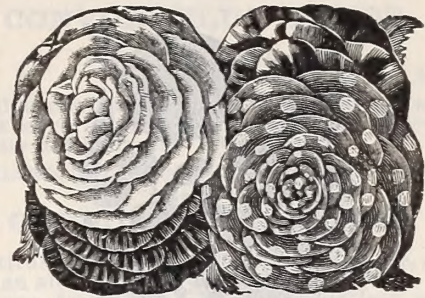


Jewel Aster.

JEWEL. A magnificent class obtained from the well known large-flowered Peony Perfection. The flower is densely double, and the petals so symmetrically incurved as to resemble a perfect ball. MIXED colors	10
TRIUMPH, DEEP SCARLET. A rich, brilliant color; each plant bears thirty to forty flowers of great beauty. 8 in.....	10
SEMPLE'S BRANCHING. A superior and free-flowering class. The flowers are large, with graceful wavy petals on long stems; excellent for cutting. 3 ft.....	10
LAVENDER.....	10
PINK.....	10
CRIMSON.....	10
WHITE.....	10
PURPLE.....	10
FINEST MIXED, all colors.....	10
CHINESE. Common variety; mixed.....	5

BACHELOR'S BUTTON.

A showy, hardy annual about two feet high, succeeding well in any soil. Set six inches apart. 5



Double Balsam.

BALSAM.

Most magnificent, popular, half-hardy annuals from 1½ to 2 ft. in height. Sow the seeds early in frames, and transplant to a well-enriched border one foot apart.

FINE DOUBLE MIXED.....	5
ROSE-FLOWERED.....	10
CAMELIA-FLOWERED, FINEST MIXED.....	10

BARTONIA AUREA.

A showy, half-hardy annual growing about two feet high, bearing very brilliant yellow flowers. Thin plants to six inches apart. 5



Double Daisy.

BELLIS PERENNIS. (Double Daisy.)

A favorite perennial for the border or for pot culture. Set plants six inches apart.

FINEST MIXED. Double.....	10
RED. Double: very fine.....	10
SNOWBALL. White, large.....	10

BRACHYCOME IBERIDIFOLIA.

(Swan River Daisy.)

Very pretty, free flowering, dwarf growing annual, well adapted to edgings, rustic baskets, or pot culture.

MIXED BLUE AND WHITE; ½ ft.....	10
---------------------------------	----

BROWALLIA.

Handsome, profuse-blooming annual covered with beautiful flowers during the summer and autumn months.

ELATA COERULEA, BLUE; 1½ ft.....	5
ALBA. WHITE; 1½ ft.....	5
FINE MIXED.....	10



Calendula.

CALENDULA.

Per Pkt.

- Free-flowering, hardy annual, growing in any good garden soil, producing a fine effect in beds or mixed borders. 1 to 1½ ft.
- | | |
|--|---|
| METEOR. Double yellow striped orange..... | 5 |
| PRINCE OF ORANGE. Double; dark orange..... | 5 |
| FINEST DOUBLE MIXED..... | 5 |



Calceolaria.

CALCEOLARIA.

- Indispensable for the green-house or the flower garden. They succeed in any light rich soil. Half-hardy perennials.
- | | |
|-----------------------------|----|
| CHOICE MIXED VARIETIES..... | 15 |
|-----------------------------|----|

CANARY BIRD FLOWER.

- Bright yellow fringed, exceedingly beautiful foliage, highly ornamental, deservedly a general favorite. Half-hardy annual..... 10

CANTERBURY BELLS.

- A well known biennial growing about one foot high, producing beautiful bell-shaped flowers.
- | | |
|-------------------|---|
| DOUBLE BLUE..... | 5 |
| DOUBLE WHITE..... | 5 |
| DOUBLE MIXED..... | 5 |



Canary Bird Flower.

CANDYTUFT.

Per Pkt

- A well known hardy annual, very useful for bedding and bouquets, and also for pot culture.
- | | |
|--|---|
| PURPLE, Ounce 25c..... | 5 |
| WHITE, Ounce 25c..... | 5 |
| CRIMSON, Ounce 25c..... | 5 |
| ROCKET, PURE WHITE LONG SPIKES, Ounce 25c..... | 5 |
| MIXED, Ounce 25c..... | 5 |
| DWARF FINEST MIXED..... | 5 |

CANNA.

- Handsome foliage plants, growing from three to eight feet high. Highly ornamental on the lawn. Soak the seeds in warm water for about twelve hours. Seeds should be sown early in a strong moist heat. Half-hardy perennials.
- | | |
|-------------------|----|
| FINEST MIXED..... | 10 |
|-------------------|----|

CATCHFLY.

- A hardy annual about one foot high; produces brilliant flowers in great profusion in early summer.
- | | |
|---------------|---|
| RED..... | 5 |
| WHITE..... | 5 |
| NEW PINK..... | 5 |
| MIXED..... | 5 |

CENTAUREA.

- Silver-leaved plants, fine for ribbon borders, baskets, etc. Half-hardy perennial.
- | | |
|---|----|
| CANDIDISSIMA. Thick foliage; ¾ ft..... | 10 |
| GYMNOCARPA. Graceful white foliage; ¾ ft..... | 10 |

CINERARIA.

- Well known favorite, free-flowering plants for the green-house, which may be had in splendid bloom through the greater portion of the year; and from the richness and diversity of the colors, are among the most valuable of our early spring flowers; succeed best in light, rich, free and open soil. Green-house perennial.
- | | |
|---------------------------|----|
| FINE MIXED VARIETIES..... | 25 |
|---------------------------|----|

CHRYSANTHEMUM.

- Handsome, hardy annuals about two feet high, blooming from July to October.
- | | |
|-------------------|---|
| DOUBLE WHITE..... | 5 |
| " YELLOW..... | 5 |
| " MIXED..... | 5 |



Clarkia.

CLARKIA.

Per Pkt.

A very beautiful hardy annual about eighteen inches high; blooming from June to September. Set six inches apart. MIXED, Ounce 30c..... 5



Cobæa Scandens.

COBÆA SCANDENS.

The most useful of climbers, on account of its rapid growth, fine foliage and large blue flowers. In sowing place the seeds edgewise and cover lightly. Half-hardy perennial..... 10

COCKSCOMB.

Very singular and attractive, half-hardy annuals about two feet high. To perfect the flowers they should be sown in the hot-beds and transplanted into rich soil one foot apart. MIXED DOUBLE..... 10

COLEUS.

One of the most popular foliage plants. It is very decorative in the flower border, and easily grown from seed, which frequently produces new and distinct varieties. Half-hardy perennial. NEW HYBRIDS, MIXED..... 15

COLLINSIA.

Beautiful hardy annual, very pretty when grown in a mass. Thin plants to three inches apart. MIXED..... 5

COLLOMIA.

A very pretty annual, producing heads of bright flowers. SCARLET..... 5

COLUMBINE.

A well known, showy, hardy perennial, about two feet high, blooming in May and June. MIXED. 5

CONVOLVULUS MAJOR.

(Morning Glory.)

Per Pkt.

A well known, beautiful, climbing annual, suitable for covering arbors, trellises, etc. Blooms from July until autumn.

FINE MIXED, Ounce 10c..... 5

CONVOLVULUS MINOR.

Beautiful and showy, half-hardy annuals, producing an abundance of rich colored flowers. Set plants one foot apart. Blooms from July until autumn. FINE MIXED..... 5

MAURITANICUS. Beautiful for hanging baskets and vases. Flowers blue..... 5



Coreopsis.

COREOPSIS.

Showy, hardy annuals about two feet high, succeeding well in any soil. Produces a fine effect when grown in a mass. Blooms from June until September.

FINE MIXED..... 5

DRUMMOND'S LARGE YELLOW..... 5



Cosmos.

COSMOS.

Splendid flower for cutting purposes; plants growing five to seven feet high, which are beautiful masses of the most elegant foliage, until they begin to bloom in September, when each plant will have hundreds of large, showy blossoms. Both foliage and flowers are excellent for cutting. Sow seed early in spring and transplant to the garden in June.

HYBRIDUS. MIXED COLORS..... 10

CYPRUS VINE.

One of the most popular of all summer climbers, flowers small, thickly set in a most beautiful dark green foliage, forming a striking contrast. Tender annuals. SCARLET..... 5



Dahlia.

DAHLIA.

Per Pkt.

Half-hardy perennial, blooming the first year from seed if sown early.

FINEST MIXED, SINGLE..... 10
FINEST MIXED, DOUBLE..... 10

DATURA.

White, bordered with lilac; continues in bloom from July until September. A beautiful half-hardy perennial growing from two to three feet in height and producing very large flowers.

WRIGHTII..... 10

DELPHINIUM FORMOSUM.

A hardy perennial about two feet high, producing an abundance of exquisite blue and white flowers. Blooms the first season..... 5

DRACENA.

Beautiful ornamental leaved plant, extensively used in vases and for house decoration. Tender perennial.

FINEST MIXED. Splendid varieties..... 10
INDIVISA. Narrow, dark green foliage. 10
VEITCHI. Beautifully colored leaves 10

ERYSIMUM PEROFFSKIANUM.

A very showy, hardy annual, about eighteen inches high, bearing spikes of deep orange-colored blossoms. Blooms from June to September..... 5



Eschscholtzia.

ESCHSCHOLTZIA.

A very showy, hardy annual, about one foot high, blooming from June until September. Produces a brilliant effect at a distance when grown in a mass.

YELLOW..... 5
WHITE..... 5
MIXED..... 5

FEVERFEW. (Pyrethrum.)

Handsome, free-flowering highly ornamental plants, producing a fine effect in the mixed flower and shrubby borders. Succeeds in any rich soil.

DOUBLE WHITE..... 5
GOLDEN FEATHER. Prized for its yellow foliage. 5



Forget-me-not.

FORGET-ME-NOT.

Per Pkt.

A very pretty little hardy perennial about six inches high. Will thrive best in a cool, moist situation, and is well adapted for bedding or rock work. BLUE..... 5

FOXGLOVE.

A hardy biennial growing three to four feet high and very ornamental in a garden or amongst shrubbery, as it produces tall spikes of bell-shaped flowers. MIXED..... 5

FRENCH HONEYSUCKLE.

A fine border plant. Hardy perennial.

WHITE..... 5
RED..... 5
MIXED..... 5

GAILLARDIA.

Showy and universally admired perennial, flowering the first year. Very beautiful; fine for bedding and bouquets, and should be more generally cultivated. FINE MIXED..... 5



Gourds.

GOURDS.

A valuable and highly interesting class of climbing plants. Tender annuals.

BOTTLE. Well known and very useful..... 5
HERCULES CLUB. Club shaped, curious..... 5
NEW MINIATURES. Orange and green striped, one of the best..... 5
ORANGE. Very ornamental, fruit resembling an orange..... 5
POWDER HORN. 5
FINE MIXED.. ... 5

GLOBE AMARANTH.

Per Pkt.

A tender annual about two feet high, very ornamental in the garden. The flowers will retain their beauty for a long time if gathered and dried as soon as they are open. Start early in hot-beds and transplant one foot apart in the border when the weather becomes warm.

PURPLE.....	5
WHITE.....	5
CRIMSON.....	5
VARIEGATED.....	5

GLOXINIA.

Green-house plants producing richly colored and brilliant flowers. Perennial.

GRANDIFLORIA, MIXED.....	25
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GRASSES. (Ornamental.)

The ornamental grasses produce a beautiful and pleasing contrast when interspersed with flowering plants. Most of the varieties may be dried for winter bouquets, or used for filling vases, either in a dried or a green state.

Agrostis Nebulosa.

One of the most graceful grasses in cultivation. Hardy annual; 1½ ft..... 5

Avena Sterilis. (Animated Oats.)

Very graceful, with large drooping spikes on slender stems. Hardy annual; 2 ft..... 5

Briza Maxima. (Quaking Grass.)

A most beautiful variety; one of the best. Hardy annual; 1¼ ft..... 5

Briza Gracillis. (Quaking Grass.)

Very delicate and graceful. Hardy annual; 1 ft..... 5

Coix Lachrymæ. (Job's Tears.)

A well known variety. Half-hardy annual; 2 ft..... 5

Eragrostis Elegans. (Love Grass.)

A favorite variety, graceful habit and very much admired. Hardy annual; 2 ft..... 5

Gynerium Argentium. (Pampas Grass.)

The finest ornamental grass in cultivation. Half-hardy perennial; 10 ft..... 10

Hordeum Jubatum. (Squirrel Tail Grass.)

Very handsome light purple plumes. Hardy annual; 3 ft..... 5

Lagurus Ovatus. (Hare's Tail Grass.)

Small white plumes. Hardy annual; 2 ft..... 5

Setaria Microcheta.

Large drooping plumes of the most graceful description. Hardy annual; 2 ft..... 5

Stipa Pennata. (Feather Grass.)

One of the finest of the ornamental grasses. Hardy perennial; 2 ft..... 5

GODETIA.

Very attractive, hardy annual of easy culture, about one foot high, flowering in July and August. MIXED..... 5

GREVILLEA ROBUSTA.

A very graceful decorative plant, with ever-green, fern-like foliage; tender perennial..... 5

GYPSOPHILIA.

Free-flowering, elegant plants, adapted for rustic rock-work and edging; hardy annual. MIXED..... 5

HELICHRYSUM. (Eternal Flower.)

Per Pkt.

A hardy annual, very ornamental in the garden and very desirable for winter bouquets, as they will retain their form and color for years if gathered and dried when first open.

DOUBLE YELLOW.....	5
" WHITE.....	5
" SCARLET.....	5
" PURPLE.....	5
" MIXED.....	5

**Heliotrope.****HELIOTROPE.**

A well known, half-hardy perennial particularly prized on account of its delightful fragrance. It is well adapted for bedding or pot culture. Sow the seeds early in spring in pots or in the hot-house and transplant into the garden when the weather becomes warm.

FINE MIXED VARIETIES.....	10
---------------------------	----

**Hollyhock.****HOLLYHOCK.**

Showy perennials four to six feet high, very effective amongst shrubbery.

FINE MIXED.....	5
EXTRA CHOICE DOUBLE FINEST MIXED.....	10
DOUBLE WHITE. Flowers pure white, perfectly double.....	10

HONESTY.

A hardy biennial, two feet high, flowering the second year in May and June. The flowers are succeeded by singular semi-transparent seed vessels that are quite ornamental and may be kept for a long time..... 5

HUMULUS. Hop.

An extremely rapid-growing climber, with handsome, variegated foliage. Hardy annual; 20 ft..... 5

HYACINTH BEAN.

Tender climbing annual, producing clusters of brilliant flowers..... Per Pkt. 5

ICE PLANT.

A singular looking, tender annual, with thick fleshy leaves that have the appearance of being covered with crystals of ice. Start early in pots and transplant into light, sandy soil, in a warm situation.....

JACOBEEA.

A very gay-colored showy class of hardy annuals, very effective for bedding. Grows about one foot high. DOUBLE MIXED..... 5

LANTANA.

Highly valuable plants of vigorous growth and branching habit, producing brilliantly colored flowers constantly changing in hue; very effective either for pot culture or for bedding.

FINE MIXED..... 5

LARKSPUR.

Very beautiful showy annuals, producing dense spikes of flowers which are very decorative either in the garden or when cut for vases. Set ten inches apart.

DWARF DOUBLE ROCKET. Extra fine mixed..... 5

DOUBLE BRANCHING. Fine mixed..... 5

LAVENDER.

A shrubby plant, half-hardy. Delightful fragrance..... 5

LOBELIA.

Most excellent and useful plants, free-flowering and of easy culture. Fine for borders, baskets, vases and window boxes.

GRACILIS. Fine for hanging baskets, vases, etc.; light blue; trailing..... 10

CRYSTAL PALACE. Compact; dark blue; excellent for edging..... 5

WHITE GEM. The best white variety for edging.. 5

MIXED TRAILING VARIETIES..... 5

CARDINALIS. Long spikes, bright scarlet flowers. Hardy perennial..... 10

MIXED HYBRIDS. Hardy perennial..... 10

LOVE-LIES-BLEEDING.

A hardy annual, three to four feet high with pendant spikes of blood red flowers..... 5

LOVE-IN-A-MIST.

A curious, hardy annual about one foot high, with finely cut leaves and singular flowers..... 5

LUPINS.

Showy, hardy perennials, two to three feet high producing tall spikes of attractive flowers. MIXED 5

MALOPE.

Handsone, half-hardy annual, about two feet high. Set eighteen inches apart. Well adapted to mixed borders. MIXED..... 5

MARVEL OF PERU.

The old and well known four o'clock. A beautiful plant with flowers of various colors, making a fine summer hedge when set one foot apart. Grows two feet high. MIXED..... 5

MARIGOLD.

Extremely showy, half-hardy-annual, one to two feet high, well adapted to garden culture, blooming profusely through the season; set one foot apart.

ORANGE AFRICAN..... 5

LEMON..... 5

FRENCH. Beautifully striped..... 5



Marigold.

MAURANDIA.

Per Pkt.

An elegant, half-hardy climbing perennial, well adapted to the conservatory or trellis work in the garden. Start early in pots, transplant when the weather becomes warm. Flowers the first year from the seed, and continues in bloom through the season.

BARCLAYANA. Rich violet flowers..... 10

SCARLET..... 10

PURPLE..... 10

WHITE..... 10

MIXED..... 10

MOURNING BRIDE.

A class of very pretty hardy annuals from one to two feet high, suitable for bedding or bouquets.

MIXED..... 5

MORNING GLORY. (See Convolvulus.)**IMPERIAL****Japanese Morning Glories.**

Gigantic flowers, exquisite new colors, magnificent foliage.

SINGLE MIXED..... 10



Mignonette.

MIGNONETTE.

A well known hardy annual, universally grown and esteemed for its delicious fragrance. If well thinned out the plants will grow stronger and produce larger spikes of bloom.

Mignonette, Sweet.

Large flowered variety, very fragrant.

Per ounce, 15 cts..... 5

Dwarf Compact.

A very desirable variety distinct in character, forming a dwarf, dense bush..... 5

MIGNONETTE—*Continued.*

Per Pkt.

Large Flowered Pyramidal.

This is quite distinct and greatly superior to the old variety, on account of its strong, pyramidal growth and much larger flowers..... 5

Machet.

The finest variety for pot culture; sweet scented red flowers..... 5

Parson's White.

Flowers nearly white; a desirable variety..... 5

Pyramidal Bouquet.

A variety of dwarf pyramidal growth and large spikes of reddish flowers..... 5

Allen's Defiance.

When grown under favorable conditions and with proper care, spikes will not only be of remarkable size—from 12 to 15 inches long—but deliciously fragrant, much more so than any other variety. Its great strength is accompanied by extraordinary keeping qualities; the spikes have been kept two weeks after cutting, retaining their grace and fragrance..... 10

MIMULUS.**Monkey Flower.**

Handsome, profuse, blooming plants, with flowers of singular form and brilliant colors, fine for green-house or shady situations; half-hardy perennials, blooming from seed the first year. FINE MIXED..... 10

MUSK PLANT.

Much esteemed for the strong musk odor of its leaves. It has a yellow bloom..... 10

NASTURTIIUM. (Tall.)

Hardy annuals very ornamental and easily cultivated.

CRIMSON, Ounce 15c.....	5
DUNNETT'S ORANGE, Ounce 15c.....	5
YELLOW, Ounce 15c.....	5
SHELLINGHI. Yellow spotted, Ounce 15c.....	5
SCHEUCRIANUM. Straw colored spotted brown, Ounce 15c.....	5
MIXED VARIETIES, Ounce 15c.....	5

NASTURTIIUM. (Dwarf.)

The dwarf improved varieties of Nasturtium are among the most useful and beautiful of garden favorites, for bedding, massing or ribboning. Hardy annuals.

CRIMSON, Ounce 20c.....	5
SCARLET, Ounce 20c.....	5
YELLOW, Ounce 20c.....	5
KING THEODORE. Flowers very dark, Ounce 20c..	5
KING OF TOM THUMB. Flowers brilliant Scarlet, Ounce 20c.....	5
CRYSTAL PALACE GEM. Sulphur spotted with maroon, Ounce 20c.....	5
EMPRESS OF INDIA. Very dwarf habit, with dark tinted foliage; flowers brilliant crimson, Ounce 20c.....	5
CLOTH OF GOLD. Golden yellow foliage, scarlet flowers, Ounce 20c.....	5
MIXED VARIETIES, Ounce 15c.....	5

NEMOPHILA.

Charming hardy low annual, producing an abundance of extremely delicate and beautiful flowers. Very useful for bedding or for pot culture. Sow early in pots and transplant into a cool rather moist location.

ELEGANS. White, dark chocolate center.....	5
INSIGNIS. Clear bright blue, white center.....	5
ALBA. Pure white.....	5
MACULATA. White blotched violet, large flowers.	5
MIXED.....	5

**Nicotiana.****NICOTIANA.**

Per Pkt.

Deliciously fragrant flowers, very ornamental, of easy cultivation, excellent for cutting, half-hardy annuals.

AFFINIS. White, very fragrant.....	5
ATROPURPUREA. GRANDIFLORA. Crimson, 4 ft...	5
COLOSSEA. Reddish foliage, very handsome, 10 ft.	10

NIEREMBERGIA GRACILLIS.

Profuse blooming little plants, with white lilac shaped flowers; exceedingly valuable for small beds, edging and rustic baskets or vases; half-hardy perennials..... 10

NOLANA.

Very pretty, trailing hardy annuals, fine for rock-work, hanging baskets or for bedding.

Select light, rich soil. MIXED..... 5

OXALIS.

Elegant flowering plants particularly adapted for the green-house or parlor, where they bloom in mid-winter.

MIXED VARIETIES..... 10

OENOTHERA. (Evening Primrose.)

A well known, showy perennial, one and one-half feet high, blooming the first year from the seed.

ODORATA. Sweet scented yellow flowers, 1 ft.... 5

**Pansy.****PANSY.**

A well known and universal favorite. Prefers a most shady situation; cover during the winter months. Seed sown in August or September, kept in a cold frame through the winter and planted out in the spring will blossom the whole season. Hardy perennial.

KING OF THE BLACKS.....	10
ODIER, FINEST BLOTCHED.....	10
BLUE.....	10
YELLOW.....	10
PURPLE.....	10

PANSY—Continued.

	Per Pkt.
WHITE.....	10
CARTER'S PRIZE. Extra choice strain, very large flowers and choice colors.....	15
GIANT FIVE-SPOTTED. This variety has enormous flowers of perfect symmetry; firm and substantial petals, each of which are beautifully blotched with the richest deep velvety plum-crimson, beautifully bordered with white and various colors, making a striking contrast of sectional coloring and distinct hues.....	15
CARTER'S PEACOCK. Unique flower of marvelous beauty; the handsomest pansy yet produced.....	25
GIANT STRIPED. The perfection of all the striped varieties.....	15
BUGNOT. A new French variety with very large, rich colored flowers.....	15
"K. & W." EXTRA CHOICE MIXED.....	10
FINE MIXED.....	5

PASSION FLOWER.

A splendid class of climbers with curious flowers produced in great profusion; fine for conservatory, or will answer for the garden; flowering freely during the autumn. FINE MIXED..... 10

SWEET PEAS.

Exceedingly useful, well known, free flowering, highly ornamental plants, flourishing in an open situation. The seed should be sown *as early as the ground can be worked* in the spring, to enable the vines to get a good strong growth before the warm weather comes. Prepare the ground by thoroughly working in a large quantity of well-rotted manure. Make a trench six inches deep; in this sow the seed and cover two inches. As soon as the plants begin to show through, fill in the trench. This will secure a deep planting without the bad effect of deep covering of the seed at first, and so enable the plant to bloom continually through the heat of the summer.

	Oz.	Pkt.
ALICE ECKFORD. Rich, deep cream, tinted with cherry standards, white wing.....	10	5
AMERICA. Crimson scarlet, irregularly striped.....	10	5
APPLE BLOSSOM. Rosy pink, blending with white.....	10	5
AURORA. White ground, flaked with bright orange.....	10	5
BLACK KNIGHT. Deep maroon, clear and shining, free flowering.....	10	5
BLUSHING BEAUTY. Very beautiful, flesh pink.....	10	5
BLANCHE BURPEE. White, variety.....	10	5
BLANCHE FERRY. Extra early standards, a carmine pink, wings almost pure white....	10	5
BOREATTON. Crimson purple; very dark... ..	10	5
BRONZE KING. Standards coppery bronze; wings white	10	5
CAPT. OF THE BLUES. Pale blue.....	10	5
CALIFORNIA. Light flesh pink.....	10	5
CAPTIVATION. A beautiful light claret.....	10	5
COUNTESS OF RADNOR. Pale lavender, lovely flower	10	5
COUNTESS OF SHREWSBURY. Pale purplish pink; wings bluish white.....	10	5
CROWN PRINCESS OF PRUSSIA. Blush pink..	10	5
DORETHY TENNANT. Dark mauve.....	10	5
DUKE OF CLARENCE. A brilliant rosy claret	10	5
EMILY ECKFORD. Light reddish mauve, blue wings.....	10	5

	Oz.	Pkt.
EMILY HENDERSON. A distinct and valuable white variety.....	10	5
FIREFLY. Crimson scarlet, large flowers....	10	5
GOLDEN GLEAM. Deep primrose yellow, the best yellow.....	10	5
GOLDEN GATE. Pinkish mauve and lavender	10	5
HER MAJESTY. Large, beautiful rose-colored flowers.....	10	5
INDIGO KING. Maroon purple standard; indigo blue wings	10	5
KATHERINE TRACY. Brilliant pink, free bloomer.....	10	5
LADY PENZANCE. Delicate rose, silky texture.....	10	5
LADY MARY CURRIE. Deep orange pink, shaded with lilac	10	5
LADY NINA BALFOUR. Delicate lavender, shaded with a beautiful shade of gray....	10	5
LOTTIE ECKFORD. White gown, blended with blue lavender.....	10	5
LOTTIE HUTCHINS. Cream flaked with pink..	10	5
MARS. Bright fiery crimson, large flower...	10	5
MONARCH. Bronze crimson and blue.....	10	5
MRS. ECKFORD. White, shaded with primrose.....	10	5
MRS. JOS. CHAMBERLAIN. White, striped and flecked with bright rose.....	10	5
NAVY BLUE. An entirely distinct new color, elegantly veined, nearly like deep violets.	10	5
NEW COUNTESS. Both standards and wings are pure, light lavender.....	10	5
ORANGE PRINCE. Orange pink, flushed with scarlet.....	10	5
ORIENTAL. Cream, heavily veined with salmon.....	10	5
OTHELLO. A beautiful dark chocolate red..	10	5
PAINTED LADY. Rosy crimson and blush white.....	10	5
PRIMA DONNA. Lovely shade of soft pink, of large size and fine form.....	10	5
PRINCE EDWARD OF YORK. Standards scarlet, large, deep rose wings.....	10	5
PRINCESS OF WALES. White, striped lavender and mauve.....	10	5
QUEEN VICTORIA. Soft yellow, veined with faint purple, imparting a silky lustre.....	10	5
RAMONA. Large flowers of creamy white, splashed with pale pink.....	10	5
RED RIDING HOOD. Rosy pink, shading to blush white at the calyx.....	10	5
SENSATION. Rosy cream, with white wings.	10	5
SHAZADA. Rich dark maroon, shaded purple	10	5
STELLA MORSE. Deep cream, with blush pink edge.....	10	5
STANLEY. Deep maroon; large flower.....	10	5
VENUS. Salmon-buff; standards delicately shaded with rosy pink.....	10	5
"K. & W." CHOICE MIXED. A mixture of the finest large flowering sort. Lb., 60....	10	5

DWARF CUPID SWEET PEAS.

"BEAUTY" CUPID. Fine large flowers. The standard a delicate rose. The wings are suffused rosy carmine.....	10	5
ALICE ECKFORD CUPID. Standard rich creamy white, suffused with soft pink, and wings silvery white.....	10	5
PRIMROSE CUPID. Like the original White Cupid, except that the color is a rich creamy tint.....	10	5
PINK CUPID. Same as Blanch Ferry in markings, but of the Dwarf Cupid growth.....	10	5
WHITE CUPID. The original dwarf, from which all the others have been obtained by hybridizing.....	10	5

EVERLASTING SWEET PEAS.

FINE MIXED.....	10	5
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Petunia.

PERILLA NANKINENSIS.

An annual growing from two to two and one-half feet; stems branching well, covered with an ample foliage of a dark purple, almost black..... 5

PETUNIA.

Favorite, hardy annuals, succeeding well in any rich soil. For the brilliancy and variety of their colors, their abundance of flowers, and the long duration of their blooming period, they are indispensable in any garden.

- WHITE..... 5
- GRANDIFLORA HYBRIDA, MIXED..... 10
- DOUBLE GRANDIFLORA..... 25
- FRINGED, FINEST MIXED..... 15
- CARTER'S EMPRESS. A variety of surpassing merit; crimson shaded, with lovely pencilled throat, the blossoms are of grand size and form; a Petunia of the very highest class..... 15
- CLEMATIS FLOWERED. Great novelty in form and color, resembling in form the well known Clematis Jackmanni and others: dark and light blue..... 15
- FINE MIXED..... 5



Phlox Drummondii.

PHLOX DRUMMONDII.

The flowers are of extreme beauty, and are greatly admired by all; their long duration in bloom, combined with their almost unequalled richness of color render them of invaluable service in the general flower garden and a finer sight than a bed of Phlox Drummondii is scarcely to be seen. Half-hardy annuals.



Hedgewigi Pink.

PHLOX—Continued.

- | | Per Pkt. |
|--|----------|
| ALBA, PURE WHITE..... | 5 |
| ALBA OCCULATA, PURE WHITE WITH PURPLE EYE..... | 5 |
| COCCINEA, PURE DEEP SCARLET..... | 5 |
| BLUE..... | 5 |
| FINEST MIXED. Ounce \$1.00..... | 5 |
| HARDY PERENNIAL PHLOX. Fine mixed varieties..... | 10 |

PINK. (Dianthus.)

One of the most popular flowers in cultivation, producing a great variety of brilliant colors and profusion of bloom.

- CARNATION. A magnificent class of popular flowers, very fragrant and of rich and beautiful color. Hardy perennial..... 10
- CARNATION "MARGUERITE." An improved strain of Carnations. Blooms freely the first season. Choice mixed..... 10
- HEDDEWIGI. Flowers very large and of rich and brilliant color. Hardy annual..... 10
- LACINIATUS. Very large and beautiful fringed hardy annual flowers. MIXED..... 5
- CHINESE, SPLENDID DOUBLE MIXED..... 5

POLYANTHUS.

Showy and profuse flowering hardy perennial, about one foot high, blooming in June and July. MIXED..... 10

POPPY.

Brilliant and showy, hardy annual, growing freely in any garden soil; 2 ft.

- DOUBLE SCARLET..... 5
- SHIRLEY. Finest strain of single mixed varieties, annual..... 5
- MIKADO. Double white fringed flowers, purple margins..... 5
- CARDINAL. A grand Poppy: dark foliage, deeply cut, very double flowers, color vivid scarlet on white ground..... 5
- PEACOCK. This is certainly the neatest in habit of all the dwarf annual Poppies. Pretty lacinated foliage with cup-shaped crimson blossoms with a ring of black at the base of the petals; equally good for pots or borders..... 10
- TULIP. The plant grows 12 to 14 inches high, and produces well above the foliage 50 to 60 large splendid flowers of the most brilliant scarlet.... 5



Tulip Poppy.

POPPY—Continued.

	Per Pkt.
WHITE SWAN. The acme of perfection in double Poppies; the profusely produced blossoms are perfectly formed, and the purity of their color is beyond reproach.....	10
ORIENTALE. Deep crimson flowers with black blotch, 3 ft.....	10
ICELAND. The colors range from pure white and yellow, to the deepest orange scarlet. Hardy perennial blooming the first year from seed.	
FINE DOUBLE MIXED.	5



Double Portulaca.

PORTULACA.

Very popular, low growing, hardy annuals, making a most brilliant display in the garden, and very suitable for borders or edgings. Sow early in warm, light, rich soil and thin plants to four inches.

PORTULACA—Continued.

	Per Pkt.
YELLOW.	5
SCARLET.	5
CRIMSON.	5
WHITE.	5
ALL COLORS MIXED.	5
FINEST DOUBLE MIXED.	10



Primula.

PRIMULA. (Chinese Primrose.)

These are beautiful and desirable plants for the parlor and green house, and produce a constant succession of their charming flowers all through the winter and spring. The seeds may be sown at any time from January to July, in pots, using a light soil.

SINENSIS, WHITE FRINGED.	25
CRIMSON.	25
EXTRA FINE MIXED.	25
DOUBLE EXTRA MIXED.	50

PRINCE'S FEATHER.

Ornamental plants with elegant plumes of rich colored flowers.

LARGE FLOWERED. Crimson; 2 ft.	5
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Rhodanthe.

RHODANTHE.

A well known everlasting; valuable for the decoration of the conservatory and flower garden; fine for bedding or ribboning. The flowers if gathered when young make valuable winter bouquets, succeed best in a light, rich soil and a warm sheltered situation. Half hardy annual.

MANGLESI. BRIGHT ROSE; 1 ft.	10
MACULATA. ROSE PURPLE, with crimson centre; 1½ ft.	10



Ricinus.

RICINUS. (Castor Oil Bean.)

Per Pkt.

Plants with very ornamental foliage and showy fruit and quite a tropical appearance. With other ornamental-leaved plants, they make a most attractive bed on the lawn, and are also desirable when grown as single specimens. Half-hardy annual.

BARBONENSIS ARBOREUS. Beautiful large foliage; 15 ft.....	5
GIGANTEUS. Leaves of an immense size; 12 ft....	5
SANGUINEUS. Scarlet fruited; 10 ft.....	5
ZANZIBARIENSIS Immense dark green foliage; 12 ft.....	10
MIXED VARIETIES. Ounce 20c.....	5

ROSE CAMPION.

The Rose Champion is perfectly hardy and very easily raised from seed. The flowers are produced on long stems, blooming freely throughout the season. Hardy perennials. MIXED..... 5



Salpiglossis.

SALPIGLOSSIS.

Very beautiful, rich, half-hardy annuals, one and one-half feet high. Start early in the hot-bed and transplant to light, warm, rich soil. Blooms from July to September. MIXED..... 10



Salvia.

SALVIA.

Per Pkt.

Very ornamental, producing tall spikes of brilliant flowers. Start early in hot-beds and transplant two feet apart.

COCCINEA. Splendid scarlet; 3 ft. Half-hardy annual.....	10
MIXED. Half-hardy annual; 3 ft.....	10

SCHIZANTHUS.

Elegant tender annual, one to one and one-half feet high, blooming from August to October. Very pretty for pot culture. MIXED..... 5

SENSITIVE PLANT.

A pretty curious annual being so sensitive that the leaves close together at the slightest touch... 5

SMILAX.

A beautiful, winter, climbing plant, adapted to the conservatory. Nothing can excel this plant in beauty of foliage and orange fragrance of the flower, extensively used for bouquets and floral decorations of every description..... 5



Stocks.

STOCKS.

Half-hardy annual producing splendid spikes of very rich and beautiful flowers of delightful fragrance. For early flowering sow early in the spring, in pots, or in the hot-bed, and transplant one foot apart. Blooms from June until October.

TEN WEEKS DOUBLE WHITE.....	10
" " PURPLE.....	10
" " SCARLET.....	10
" " MIXED	10
PRINCESS ALICE. Large, double white flowers, in bloom from June till frost.....	10

SUNFLOWER.

Well known showy plants; remarkable for their rapid and stately growth and the large size and brilliancy of their flowers.

MAMMOTH RUSSIAN..... 5
OSCAR WILDE. The flowers are small and consist of small, jet black centre surrounded by a row of bright golden petals overlapping each other..... 5

SPHENOGYNE.

A very showy, free-flowering plant. Very effective for beds or mixed borders. Hardy annual..... 5

SWEET ROCKET.

Fine early spring flowering plant, very fragrant, growing in any soil. About eighteen inches in height. **MIXED**..... 5

SWEET SULTAN.

Showy hardy annual one or two feet high, succeeding well in any soil. **MIXED**..... 5

SWEET WILLIAM.

A well known, showy and beautiful, hardy perennial about one foot high, making a most splendid appearance in May and June.

HUNT'S PERFECTION..... 5

SWEET CLOVER.

A half-hardy perennial, much resembling the common red clover and valuable for its fragrance. 5

TASSEL FLOWER.

A beautiful half-hardy annual, with small, tassel-like flowers, blooming profusely from July to October. **SCARLET**..... 5

THUNBERGIA.

Very ornamental, trailing, half-hardy annual, admirably adapted for trellis or rustic work, or for the conservatory. **MIXED**..... 10

TROPOEOLUM.

LOBBIANUM. Very elegant and beautiful climber, flowering most profusely; very useful for covering verandas, or for trellis and rustic work. Half-hardy annual. **FINE MIXED**..... 5

VENUS LOOKING GLASS.

Very pretty hardy annual, succeeds well in any soil. Grows about one foot high, and is well adapted to borders or edgings. **MIXED**..... 5

VERBENA.

Well known and universally popular bedding plant, blooming all summer. Plants grown from seed are more healthy and make larger and hardier plants than those from cuttings; if sown in spring will flower quite early. Half-hardy perennial.



Verbena.

VERBENA—Continued.

CANDIDISSIMA. Pure white hybrid..... 10
SCARLET DEFIANCE. Brightest scarlet..... 10
MAMMOTH FINEST MIXED..... 10
FINE MIXED..... 5
LEMON VERBENA. Lemon-scented foliage..... 10

VIOLA ODORATA. (Sweet Violet.)

A charming little perennial highly prized on account of its delicious fragrance. Succeeds best in a sheltered location..... 10

VIRGINIA STOCK.

A pretty, hardy annual, adapted for growing in small beds or for edgings. **RED AND WHITE MIXED**..... 5

VISCARIA.

Very pretty, profuse flowering half-hardy annual, producing a fine effect in beds or mixed borders, and growing readily in any soil. **MIXED**..... 5

WALLFLOWER.

Very fragrant and ornamental, half-hardy perennial, suitable for back ground and amongst shrubbery. **MIXED**..... 5

WHITLAVIA.

Charming hardy annual, with delicate foliage and clusters of beautiful bell shaped flowers, fine for ribboning or mixed borders: 1 ft. **FINE MIXED**..... 5

ZEA. (Japanese Maize.)

An ornamental foliage plant. Grows to the height of four or five feet, furnished from the bottom with long, wavy leaves, broadly ribboned with alternate stripes of white and green. **STRIPED**..... 5



Double Zinnia.

ZINNIA.

A most splendid class of hardy annuals, succeeding well in any soil and making a very brilliant show. Start early in pots or under glass and transplant one foot apart.

NEW ZEBRA..... 10
ELEGANS..... 5
FINEST DOUBLE MIXED..... 5

WILD GARDEN SEED.

A mixture of over one hundred varieties of flower seeds..... 5

A GENERAL LIST OF VEGETABLE SEEDS.

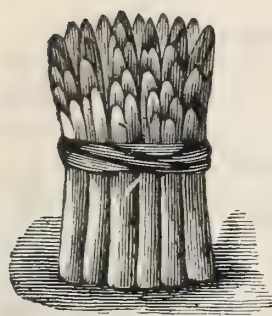


We forward seeds by **Mail** or **Express** as the purchaser may wish. When ordered by mail, add postage for Beans and Peas at the rate of 15 cents per quart and to Corn 10 cents per quart to Catalogue prices.

Half pounds furnished at Pound Rates.

Half bushels furnished at Bushel Rates.

ASPARAGUS.



Sow early in May, thinly, in rows, one inch deep and two feet apart. The next season plant in drills two inches deep and two feet apart, spreading the roots well out, in ground thoroughly manured and trenched, at least two feet deep.

	Pkt.	Oz.	½ lb.	Lb.
✓ <i>Conover's Colossal.</i> The best variety.....	.05	.10	.15	.40
✓ <i>Conover's Colossal Roots.</i> 2 yrs. old, per 100..	\$1.25.			

In consequence of the great bulk of Asparagus Roots we cannot send them by mail.

ENGLISH BEANS.

Plant as early in the spring as the ground can be worked, from two to four inches apart, in drills from twenty-four to thirty inches apart. As soon as the plants are in full blossom, and the lower pods begin to set, pinch off the tops; this will insure the filling of the pods and hasten the maturity of the seed.

Beans ordered by mail are subject to an extra charge of 15 cents per quart for postage. Pints furnished at quart rates.

	Pkt.	Qt.	Pk.
✓ <i>Broad Windsor.</i> The best sort, very hardy.....	.10	.30	\$1.25

BEANS—Dwarf or Bush.

A succession of sowings can be made from the first week in May until August. Plant in drills about two inches deep, and from eighteen inches to two feet apart, according to the richness of the soil; the poorer the soil the closer they can be planted; the plants should be about three inches apart. One quart is sufficient for one hundred feet of drill; 1½ bushels for one acre in drills.

	Qt.	Pk.	Bu.
✓ <i>Burpee's Bush Lima.</i> The only bush form of the true large lima bean; the bushes grow eighteen to twenty inches high. It is an immense yielder, of handsome large pods, well filled with very large beans, which are identical in size and luscious flavor to the well-known large pole lima.....	.30	\$2.00	\$7.00
✓ <i>Burpee's Stringless Green Pod.</i> Very Early. Pods four and a half to five and a half inches long, nearly round, slightly curved, light green in color, flesh tender and of the best quality.....	.20	1.00	4.00
✓ <i>Lowe's Champion.</i> Early, hardy, thrifty, and enormously productive; combines extreme tenderness and delicious flavor, being absolutely without strings to the pods, and excels every other variety as a snap or string bean. As a shell bean it has but few equals, and is of splendid flavor when cooked dry.....	.20	.90	3.50
✓ <i>Early Long Yellow Six Weeks.</i> Hardy and prolific.....	.20	.90	3.50
✓ <i>Early Valentine.</i> Round pods, early, good flavor.....	.20	.90	3.50
✓ <i>Early Mohawk.</i> Very productive and of good quality.....	.20	.90	3.50
✓ <i>Dwarf Horticultural.</i> A fine early shell bean.....	.25	1.25	4.25
✓ <i>Milliken's Wax.</i> An extra early variety. The bushes grow from twelve to sixteen inches high, producing golden yellow pods that are entirely stringless and free from blight or rust. Very productive.....	.25	1.25	4.00

BEANS--Continued.

	Qt.	Pk.	Bu.
✓ <i>Early Golden-Eyed Wax.</i> Hardy and prolific, with flat yellow pods....	.20	\$1.00	\$3.75
✓ <i>Davis' White Wax.</i> Pods and seeds white and of rich flavor.....	.20	1.25	4.50
✓ <i>Golden Wax.</i> Very early; round golden pods.....	.20	1.25	4.25
✓ <i>Black Wax.</i> Pods yellow; a superior snap bean.....	.20	1.25	4.25
✓ <i>Currie's Rust Proof Golden Wax.</i> Pods long, flat, tender and of fine quality.....	.20	1.25	4.50
✓ <i>Snowflake Pea.</i> A decided improvement on the common pea bean. Enormously productive and very early.....	.20	1.00	3.50
✓ <i>Improved Yellow Eye.</i> Very prolific, fine for baking.....	.15	.90	3.25

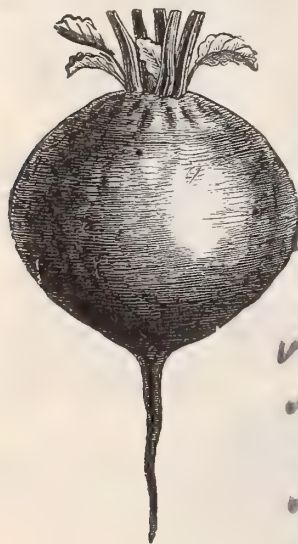
BEANS—Pole or Running.

These are more tender, and require rather more care in culture than the bush beans; they succeed best in sandy loam, which should be liberally enriched with short manure in the hills, which are formed according to the variety, from three to four feet apart; from five to six seeds are planted in each hill, about two inches deep.

One quart will plant one hundred and fifty hills; ten to twelve quarts to the acre.

	Qt.	Pk.	Bu.
✓ <i>Large Lima.</i> A large, late variety of excellent flavor.....	.25	\$1.75	\$6.00
✓ <i>Small Lima.</i> Earlier and hardier than the preceding.....	.25	1.75	6.50
✓ <i>London Horticultural.</i> An old favorite. Very productive and excellent as a snap or shell bean.....	.20	1.25	5.00
✓ <i>Carmine Podded Horticultural.</i> Beans and pods larger than the ordinary Horticultural and more brilliantly colored.....	.20	1.25	5.00
✓ <i>Red Cranberry.</i> Almost stringless; one of the very best of string beans....	.20	1.25	4.50
✓ <i>Indian Chief.</i> A very tender snap bean; yellow pods.....	.25	1.50	6.00
✓ <i>White Case Knife.</i> Good green podded variety.....	.20	1.25	5.00
✓ <i>Scarlet Runner.</i> Very ornamental, free climber, with bright scarlet flowers..	.25	1.50	6.00
✓ <i>White Dutch Runner.</i> Same habit as the Scarlet Runner, flowers and beans being white.....	.25	1.50	6.00

BEET.



The best results are obtained on a deep, rich, sandy loam. For early use, sow as soon as the ground will admit, in drills fourteen inches apart, and thin to four inches; for the main crop, sow the first week in May, and for winter use as late as June. The soil should be deeply manured and well cultivated. In lifting and storing the roots, care must be taken that they are not bruised.

One ounce to fifty feet of drill; six pounds to the acre.

	Pkt.	Oz.	½ lb.	Lb.
✓ <i>Egyptian Blood Turnip.</i> Very early and of rapid growth; color deep crimson. Of excellent quality.....	.05	.10	.20	.50
✓ <i>Crosby's Egyptian.</i> An improved strain of the Egyptian Beet.....	.05	.10	.25	.65
✓ <i>Eclipse.</i> This variety is about as early as the Egyptian, but larger and of finer quality. Color dark crimson.....	.05	.10	.20	.50
✓ <i>Early Flat Bassano.</i> This variety is chiefly valued for its early maturity.....	.05	.10	.20	.45
✓ <i>Edmand's Early Turnip.</i> A variety of handsome round shape, the skin is deep blood red in color, the flesh very dark and exceedingly sweet and tender in quality.....	.05	.10	.20	.45
✓ <i>Dewwing's Blood Turnip.</i> Of fine form and flavor, and deep blood red; a desirable variety.....	.05	.10	.20	.45
✓ <i>Long Smooth Blood Red.</i> This is a long, smooth beet, growing to a good size, color dark blood red.....	.05	.10	.18	.40
✓ <i>Swiss Chard.</i> Used as greens.....	.05	.10	.15	.40

Dewwing's Turnip
Blood Beet.



DIRIGO EXTRA EARLY BEET.

THE EARLIEST VARIETY IN CULTIVATION.
UNEQUALED IN QUALITY.

Is a rich, blood-red beet of fine grain and flavor, is earlier than either the Egyptian or Eclipse, of smooth and rapid growth; top and tap roots being very small.

The very best for early market.

Very popular among market gardeners.

*Per Pkt., 5 cts. Per Oz., 10 cts. Per 1-4 lb., 25 cts.
Per lb., 75 cts.*

Varieties grown for feeding Stock. Sow in May or June—6 lbs.

	$\frac{1}{2}$ lb.	$\frac{1}{4}$ lb.	Lb.
✓ <i>White French Sugar Beet.</i> Largely cultivated for feeding.....	.08	.12	.30
✓ <i>Lane's Imperial Sugar Beet.</i> A greatly improved variety of the White French Sugar.....	.10	.15	.40
✓ <i>Allen's Mammoth Long Red Mangel Wurzel.</i> A variety producing roots of mammoth size.....	.08	.12	.30
✓ <i>Norbiton Giant Mangel Wurzel.</i> Extra fine long red, very large.....	.08	.12	.30
✓ <i>Yellow Globe Mangel Wurzel.</i> Roots of large size and globular form; very productive.....	.08	.12	.30
✓ <i>Carter's Warden Orange Globe Mangel Wurzel.</i> The very best globe-shaped variety in cultivation.....	.08	.12	.30
✓ <i>Golden Tankard Mangel Wurzel.</i> Bright yellow, very productive.....	.08	.12	.30

BROCCOLI.

Broccoli is nearly allied to the Cauliflower, and may be regarded as a variety of that delicious vegetable. It is hardy and sure to head, but inferior in flavor.

	Pkt.	Oz.
✓ <i>Purple Cape.</i> Heads greenish purple, a good variety.....	.05	.30
✓ <i>White Cape.</i> Very white; sure to head; standard sort.....	.05	.30

BRUSSELS SPROUTS.

Produces from the stem small heads resembling cabbage in miniature. The sprouts are used as greens, and become very tender when touched by the frost. Sow in May and manage as winter cabbage.

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
✓ <i>Improved Dwarf.</i> A variety of excellent quality.....	.05	.15	.50	\$1.50

CABBAGE.

The Cabbage is one of the most important vegetables, and some of its varieties are universally cultivated. The ground must be highly manured, deeply dug or ploughed, and thoroughly worked, to insure good, full sized heads. A heavy, moist and fresh loam is the most suitable. The early sorts should be sown very early in the spring, in hot beds, or later in the open ground. Eighteen inches by three feet apart is the common distance.

One ounce will produce about 3,000 plants.

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
✓ <i>Early Jersey Wakefield.</i> A standard early variety for home use or market.....	.05	.25	.75	\$2.50
✓ <i>Henderson's Early Summer.</i> The earliest of large cabbages, coming in but a few days later than the Wakefield. Heads of large size, very solid and compact.....	.05	.25	.75	2.50



Fottler's Improved Brunswick Cabbage.

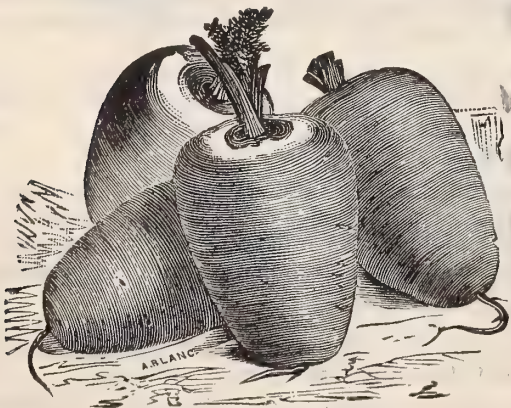
CABBAGE--Continued.

	Pkt.	Oz.	½ lb.	Lb.
✓ <i>Early Winningstadt.</i> An excellent sort; heads of large size.....	.05	.15	.50	\$1.50
✓ <i>All Seasons.</i> Larger than Henderson's Early Summer, nearly as early; very solid and sure-heading.....	.05	.20	.65	2.25
✓ <i>Fottler's Improved Brunswick.</i> An excellent early drumhead variety; produces a firm and solid head.....	.05	.20	.65	2.25
✓ <i>Premium Flat Dutch.</i> A standard late variety.....	.05	.20	.50	1.75
✓ <i>Stone-Mason Drumhead.</i> One of the very best for a main crop.....	.05	.20	.60	2.00
✓ <i>Stone-Mason Drumhead.</i> Cape Elizabeth grown. An improved strain.....	.05	.30	1.00	3.25
✓ <i>Henderson's Succession.</i> An excellent second-early or late sort.....	.05	.20	.65	2.25
✓ <i>Marblehead Mammoth Drumhead.</i> The largest varieties of drumheads.....	.05	.20	.60	2.00
✓ <i>Danish Ball Head or Hollander.</i> A valuable, perfectly round, solid, winter variety. Is a long keeper, and profitable for shipping, keeping long after other sorts have gone.....	.05	.25	.75	2.50
✓ <i>Mammoth Red Rock.</i> Used almost exclusively for pickling.....	.05	.20	.60	1.75
✓ <i>Improved American Savoy.</i> Very sweet and tender; good sized, firm heads; very reliable and much esteemed for family use.....	.05	.20	.65	2.25

CARROT.

Carrots require a very finely pulverized soil, to grow them to perfection. A good light and well enriched sandy loam is the best for this crop. For field culture, sow in drills, three to three and one-half feet apart, so as to cultivate by horse. Market gardeners sow in drills about eighteen inches apart and cultivate by hand. For early crops, cover one-half an inch deep, and thin to six inches apart, in the rows; for late, cover three-fourths of an inch deep, and thin to four inches.

One ounce to one hundred feet of drill; three to four pounds to the acre.



Oxheart Carrot.

	Pkt.	Oz.	½ lb.	Lb.
✓ <i>Early French Forcing.</i> The earliest variety; valuable for forcing.....	.05	.10	.30	\$1.00
✓ <i>Early Horn.</i> Early, fine grain; medium size, an excellent table sort.....	.05	.10	.30	1.00
✓ <i>Oxheart.</i> Very thick and short, fine grained and sweet.....	.05	.10	.30	1.00
✓ <i>Chantenay.</i> A choice variety. Longer than the Scarlet Horn, and a little broader at the top..	.05	.10	.30	1.00
✓ <i>Danver's Half Long.</i> In form it is midway between the Long Orange and Short Horn. The root is of a rich dark orange color, and grows very smooth. Very productive and keeps well.	.05	.10	.30	1.00

✓ <i>Improved Long Orange.</i> The best late variety. Roots of large size, heavy cropper and excellent keeper.....	.05	.10	.25	.90
✓ <i>Large White Belgium.</i> Large, long rooted variety; valuable for feeding..	.05	.10	.20	.50

CAULIFLOWER.

Any soil that will grow early Cabbages will grow Cauliflower, as their requirements are almost similar; but as the product is more valuable, extra manuring and preparation of the soil, will be well repaid.

The seeds may be sown in the hot-bed in March or April, and transplanted to open ground about the first of May.

One ounce will produce about 3,000 plants.

Pkt. Oz.

- ✓ **Extra Early Dwarf Erfurt.** The earliest variety; large compact heads, of fine quality..... .15 \$2.00
- ✓ **Henderson's Early Snowball.** One of the early sorts. Very reliable and grown largely for the market. .20 2.00
- ✓ **Thorburn's Gilt-Edge.** Large, heavy sort; one of the best and surest of all the sorts now in cultivation... .20 2.25
- ✓ **Carter's Dwarf Mammoth.** A hardy variety, of dwarf and compact habit, with a firm, white head. Stands dry weather..... .10 1.00



Cauliflower.

CELERY.

To have celery early it should be sown in a hot-bed, quite early in the spring, and when three inches high, plant out in a well prepared bed, which must be covered in frosty weather. For the principal crop sow early in the spring, very shallow in the seed-bed, and when the plants are about six inches high, transplant them six inches apart into trenches for blanching. Dig the trenches four feet apart, a foot wide and ten inches deep. Fill in five or six inches of well rotted manure, and mix thoroughly, half a spade deep with the earth at the bottom. The tops of the plants should be shortened before they are set. Earth up to blanch, three or four times during their growth, taking care that no earth falls in the center of the plant.

One ounce of seed produces about 4,000 plants.

Pkt. Oz. ¼ lb. Lb.

- ✓ **Boston Market.** A favorite variety, remarkable for its tender, crisp and succulent stems, and its peculiarly mild flavor, keeps well..... .05 .25 .60 \$2.00

- ✓ **Henderson's White Plume.** Crisp, solid and possessing a sweet, nutty flavor; requires very little labor in blanching. Very early and handsome..... .05 .25 .60 2.00

- ✓ **Pink Plume.** Similar to White Plume, except in color. Of superior quality and a compact grower..... .05 .25 .75 2.50

- ✓ **Golden Self-Blanching.** A fine solid variety of a beautiful waxy, golden color; very thick stalks of excellent flavor; growth close, compact and of medium height..... .05 .25 .75 2.50

- ✓ **Giant Pascal.** An easily blanched variety, superior for late use..... .05 .25 .75 2.50

- ✓ **Soup Celery.** Used for flavoring pickles, soups, etc..... .05 .15 .40

CHERVIL.

- ✓ **Curled Chervil.** An aromatic sweet herb. The young leaves are used in soups and salads. Sow thinly in May, in drills half an inch deep, one foot apart..... .05 .10 .25 .75

CHICORY.

- ✓ **Large Rooted.** Used to mix with, or as a substitute for coffee. Cultivation same as the carrot..... .05 .10 .25 .75

CORN—Sweet.

The Sweet or Sugar varieties being liable to rot in cold, wet ground, should not be planted before the middle of May, and for a succession continue planting every two weeks until July, in rich, well manured ground, in hills three feet apart each way, covering about half an inch, and thin out to three plants to a hill, or plant in rows four feet apart, and to stand eight inches apart in the rows. The field varieties should be planted four feet apart each way, leaving three plants to a hill.

One quart to 200 hills, ten quarts to an acre.

Corn ordered by mail is subject to an extra charge of 10c. per qt. for postage. Pints furnished at quart rates.

- ✓ **Cory.** Very early, dwarf variety, an excellent sort, sweet, and of rich flavor, desirable for private or market gardens..... Pkt. Qt. Pk. Bu. .05 .15 .80 \$3.00

- ✓ **White Cory.** Similar to the above, but white cobs..... .05 .15 .80 3.00



Golden Self-blanching Celery.

CORN—Continued.



Crosby's Extra Early Sweet Corn.

- | | Pkt. | Qt. | Pk. | Bu. |
|---|------|-----|------|--------|
| ✓ Burbank's Early. As early as the Cory. It has a pure white cob, with a rich cream white kernel, sweet and juicy..... | .05 | .15 | .80 | \$3.00 |
| ✓ Early Marblehead. This resembles very closely the Cory, but is not so early..... | .05 | .15 | .80 | 3.00 |
| ✓ Crosby's Extra Early. The best early sort, very sweet and of fine flavor. Ears rather short, averaging from twelve to sixteen rows. An excellent market variety, and largely grown for canning. Our own growing from stock obtained from the originator..... | .05 | .20 | 1.25 | 4.00 |
| ✓ Early Crosby. Similar to the above, nearly ten days later.... | .05 | .15 | .80 | 3.00 |



- | | | | | |
|--|-----|-----|------|------|
| ✓ Allen's Golden. A second early variety of vigorous growth; very productive, quality unsurpassed..... | .05 | .20 | 1.00 | 3.50 |
| ✓ Shoe Peg, or Ne Plus Ultra. A late variety, of medium height. Kernel small, deep, tender, and of richest flavor. Very productive..... | .05 | .20 | 1.25 | 4.00 |

- | | | | | |
|---|-----|-----|-----|------|
| ✓ Stowell's Evergreen. A late variety of excellent quality, remaining longer in the green state than any other kind..... | .05 | .15 | .80 | 3.00 |
| ✓ Potter's Excelsior. Twelve rowed, very sweet and tender..... | .05 | .15 | .80 | 3.00 |
| ✓ Country Gentleman. Medium early and productive..... | .05 | .15 | .80 | 3.00 |
| ✓ Black Mexican. Grain bluish-black, especially rich in sugar qualities..... | .05 | .15 | .80 | 3.00 |

FIELD AND ENSILAGE CORN.

- | | Qt. | Pk. | Bu. |
|---|-----|------|--------|
| ✓ Winn's Hybrid. A very fine field variety, with large ears. Safe to plant in this state, yields large crops..... | .15 | .50 | \$1.75 |
| ✓ Evergreen Fodder. The best and sweetest corn for ensilage..... | .40 | 1.25 | |
| ✓ Red Cob Ensilage. A pure white corn. It is tender and juicy, has short joints, grows to a great height, with an abundance of leaves..... | .40 | 1.50 | |
| ✓ Leaming. An early, very productive variety. One of the best for ensilage. Profitable as a green fodder..... | .40 | 1.50 | |
| ✓ Early Sanford. Very early, ears white; excellent for fodder and ensilage..... | .40 | 1.50 | |



Evergreen Fodder Corn.

CRESS OR PEPPERGRASS.

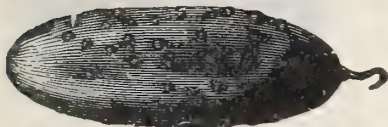
A well known salad. Requires to be sown thickly and covered very slightly. Sow at frequent intervals to keep up a succession, as it soon runs to seed.

- | | Pkt. | Oz. | 1/2 lb. | Lb. |
|---|------|-----|---------|------|
| ✓ Extra Curled. Very fine; may be cut two or three times..... | .05 | .10 | .15 | .40 |
| ✓ Water Cress. A hardy perennial aquatic plant, growing in water along the margins of streams..... | .10 | .40 | 1.25 | 4.00 |

CUCUMBER.



Improved White Spine
Cucumber.



Boston Pickling
Cucumber.

The cucumber is a tender annual, and therefore should not be planted or set out in the open air until there is a prospect of continued warm and pleasant weather. Cucumbers succeed best in warm, moist, rich, loamy ground. The hills should be four or five feet apart in each direction. When all danger from insects is passed, leave but three or four of the strongest plants in the hill.

One ounce to fifty hills.

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
— Cumberland. A new variety of the Improved White Spine type. Particularly valuable, being a splendid table sort, and excellent for pickling. Color deep green, with white tip; flesh firm; very crisp and tender....	.10	.25	.75	\$2.50
✓ Early Russian. The earliest variety.....	.05	.10	.25	.65
✓ Early Frame. An early standard variety; about five inches long.....	.05	.10	.20	.60
✓ Improved White Spine. Superior for table use, very productive, medium size, straight and well formed, a favorite market variety.	.05	.10	.20	.60
✓ Early Green Cluster. Grows in clusters, early and productive.....	.05	.10	.20	.60
✓ Short Green. Similar to Early Frame.....	.05	.10	.20	.60
✓ Nichol's Medium Green. A very fine table sort. The vines are vigorous and productive.....	.05	.10	.20	.60
✓ Long Green. Long and crisp; a popular and reliable variety for pickling.....	.05	.10	.20	.60
✓ Boston Pickling. The finest variety to grow for pickles; yields large crops; short, straight and dark green.....	.05	.15	.20	.60
✓ West India Gherkin. Very small burr; used for pickling.....	.05	.10	.40	1.25

DANDELION.

The Dandelion resembles Endive, and affords one of the earliest as well as one of the most healthful of spring greens. Sow as early as the weather will permit, in good, well-enriched soil, in rows twelve inches apart, covering seed one-fourth of an inch deep, the earth firmly pressed over the seed.

One ounce to one hundred feet of drill.

Pkt. Oz. $\frac{1}{4}$ lb. Lb.

✓ **Improved Thick-Leaved.**

The best variety..... .05 .30 \$1.25 \$4.00



Improved Thick-Leaved Dandelion.

EGG PLANT.

The Egg Plant will thrive well in any good garden soil. Sow in the hot-bed, and when two or three inches high, prick out into pots or rows, two and one-half to three inches apart. When the weather will permit, transplant into good, rich soil, thirty inches apart each way.

	Pkt.	Oz.
✓ New York Improved Purple. The leading market variety; very productive.....	.05	.35
✓ Early Long Purple. Hardy and productive.....	.05	.30
✓ White. Choice, for ornamental use.....	.05	.30

ENDIVE.

For early use, sow in May, scattering the seed thinly in drills ten inches apart, covering it lightly, and for succession, every two or three weeks until mid-summer. The plants must be blanched before using, which is accomplished by gathering the large outer leaves to a point at the top, and tying them together.

	Pkt.	Oz.
✓ White Curled. For early use.....	.05	.15
✓ Green Curled. Best for late crop.....	.05	.15

KALE OR BORECOLE.

Sow early in May in a prepared bed, covering the seed lightly. Transplant in June, and treat in the same manner as for Cabbage.

	Pkt.	Oz.	½ lb.	Lb.
Green Curled Scotch. A round dwarf variety, rarely exceeding eight- een inches in height, but spreading out under good cultivation to three feet in diameter.....	.05	.10	.30	\$1.00

KOHLRABI.

A vegetable intermediate between the Cabbage and Turnip. Is best cultivated by sowing the seeds in rows, in May, June and July, according to latitude.

Early White. Flesh white and tender; the best market sort.....	.05	.15	.50	\$1.50
Early Purple. Differing from the above in color, which is of a bluish purple .....	.05	.10	.30	1.00

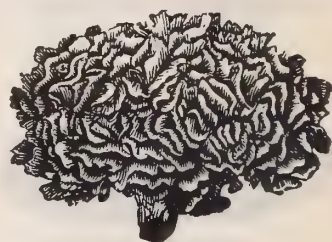
LEEK.

The Leek is very hardy and easily cultivated; it succeeds best in a light, well-enriched soil. Sow as early in the spring as practicable, in drills one inch deep, and one foot apart. When six or eight inches high, they may be transplanted in rows ten inches apart each way, as deep as possible, that the neck, being covered, may be blanched.

London Broad Flag. A large variety with broad leaves.....	.05	.10	.30	\$1.00
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Victoria Cabbage Lettuce.



Boston Curled Lettuce.

LETTUCE.

Lettuce thrives best in rich, moist ground. Sow the seeds in hot-beds in February or March, and transplant into a sheltered border with a southern exposure. For successive crops, sowing may be made in the open ground as early as spring opens, and continuing until July.

One ounce to 120 feet of drill.

Hittinger's Belmont Forcing Larger than the White Seeded Tennis- ball, nearly as early, and of excellent quality. A choice strain for forcing..	.10	.40	\$1.50
Early Curled Silesia. Fine for summer use.....	.05	.15	.40 1.25
Victoria Cabbage. Hardy and fine for early sowing.....	.05	.20	.40 1.25
Early Tennisball. One of the earliest and best heading varieties.....	.05	.20	.60 2.00
Boston Curled. A variety of great beauty and of very superior quality. Leaves beautifully curled; attractive on table.....	.05	.15	.40 1.25
Hanson. Heads very large, solid, tender, crisp and of fine flavor, color beautiful green outside and white within.....	.05	.15	.40 1.25
Salamander. A fine summer lettuce. Is slow to run to seed, and will stand the drought and heat better than other varieties .....	.05	.15	.40 1.25
Deacon. Large and very solid heads, crisp and tender.....	.05	.15	.40 1.25
Big Boston. Fine for forcing in cold frames, and for planting in the open ground.....	.05	.15	.40 1.25
Brown Dutch. A large, hardy variety.....	.05	.15	.40 1.25

MARTYNIA.

A strong growing, hardy annual, with curious shaped seed pods, which, when young and tender, are highly prized for pickling. The pods are produced in great abundance, and should be gathered when about half grown. Plant in May or June, in rows two feet apart, making hills about a foot apart.

Martynia Probosidea. Best for pickling.....	.05	.25	.75	\$2.50
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MELON—Musk.

Melons thrive best in a moderately enriched, light soil; the hills should be six feet apart each way. After all danger of frost is passed, plant twelve or fifteen seeds in each hill, and when well up, thin out to three or four plants.

One ounce to sixty hills; two to three pounds for an acre.

	Pkt.	Oz.	¼ lb.	Lb.
Green Citron. Fruit medium size, deeply netted, shape nearly round, flesh green, and of rich delicious flavor.....	.05	.10	.20	.60
Montreal Melon.				
Montreal. Large, round, netted; flesh thick and light green.....	.05	.10	.20	.60
Nutmeg. Named from its shape; green flesh, sweet.....	.05	.10	.20	.60
Large Round Yellow Cantaloupe. Flesh reddish orange, sweet and of good flavor; an early and productive variety.....	.05	.10	.20	.60
Large Yellow Musk. A very large variety, deeply ribbed, and thickly netted; flesh salmon yellow, thick and sweet. Used in the green state for "Mangoes".....	.05	.10	.20	.60
Pineapple. Dark green, oval netted, flesh thick, sweet and juicy.....	.05	.10	.20	.60
Surprise. Very early, medium size; salmon colored; flesh of superior flavor.....	.05	.10	.20	.60
Rocky Ford. Flesh green, medium size, oval shape.....	.05	.10	.25	.75

MELON—Water.

Plant in hills eight feet apart and cultivate same as Musk Melon. One ounce for thirty hills; four to five pounds to the acre.

Mountain Sweet. An old and reliable sort; flesh red.....	.05	.10	.20	.60
Black Spanish. Fruit of large size, almost round, skin dark green; flesh red.....	.05	.10	.20	.60
Phinney's Early. Productive, early and finely flavored; flesh red.....	.05	.10	.20	.60
Scaly Bark. The flesh is light crimson in color, very tender and fine flavor.....	.05	.10	.20	.60
Citron. The standard variety for preserves.....	.05	.10	.20	.60

MUSHROOM SPAWN.

Mushrooms may be grown in a warm cellar or shed in winter, or in the open air in summer. Take partially dry, fresh horse manure and lay it in a heap to ferment; turn and mix it well every few days, and when well and equally fermented which will be in from ten to fifteen days, it may be made into a bed four feet wide and about two feet deep, mixing it well together and beating or treading it firmly. As soon as the temperature of the bed falls from 75 to 50 degrees, the spawn may be inserted in pieces about the size of a walnut, about two inches deep and six inches apart. Cover with loamy soil about two inches deep and beat it down evenly and firmly. Finish off with a covering of clean straw or hay about a foot thick. If the temperature is right mushrooms will begin to come up in about six to eight weeks, and the bed will continue bearing for about a month.



Mushroom.

English Spawen......In bricks, per lb., 15 cts.; 8 lbs., \$1.00
By mail, add 10 cents per pound for postage.

MUSTARD.

A pungent salad used with Cress. The seed is used for flavoring pickles, etc. Sow in May thickly in rows and cut when two or three inches high.

One ounce to forty feet of drill.

	Oz.	¼ lb.	Lb.
White London. Best for salads.....	.05	.10	.25
Brown or Black. .....	.05	.10	.25

OKRA.

Sow late in the spring, after the ground has become warm, in drills three feet apart, where the plants are to remain. Thin out from nine to twelve inches. They should be well manured. They may also be raised in pots, or in a hot bed, and transplanted.

	Pkt.	Oz.	¼ lb.	Lb.
Improved Dwarf Green. Small, green, round, smooth pods.....	.05	.10	.20	.50



ONION.

No vegetable is more extensively known and cultivated than the Onion. A good crop is impossible unless the soil is very rich and kept clean. Use well-rotted manure freely, and get the crop in as soon as possible in the spring, no matter if the weather is cold and unpleasant. Sow in drills one foot apart and cover about one-third of an inch, treading or rolling after sowing, so that the hot, dry atmosphere may not dry up and destroy the sprouting seed.

One ounce to one hundred feet of drill; five pounds to the acre.

	Pkt.	Oz.	1/4 lb.	Lb.
✓ Large Red Wethersfield. Large size, productive and a good keeper...	.05	.15	.30	1.00
✓ Extra Early Red. Ten days earlier than the Wethersfield, of medium size and deep, rich color; an abundant producer, and of good form and flavor, keeping well.....	.05	.15	.40	1.25

Yellow Globe Danvers Onion.

✓ **Yellow Globe Danvers.** Extra choice Maine grown seed, raised expressly for market garden trade. This is far superior to western grown seed, being much earlier, it is sure to produce a good crop in any locality. The Yellow Danvers is the most profitable variety to raise. Is very productive, a good keeper, of mild flavor, and always meets a ready sale....

✓ **Yellow Globe Danvers.** Grown from Buxton's stock; a standard variety. .05 .15 .40 1.25

✓ **Yellow Globe Danvers.** Similar to the above..... .05 .10 .30 1.00

✓ **White Portugal.** A mild and desirable summer variety; extensively grown for pickling..... .05 .20 .60 2.00

✓ **New Queen.** A silver skinned variety of quick growth and remarkable keeping qualities..... .05 .20 .50 1.50

✓ **Prizetaker.** Large, pale yellow onion; flesh white; mild flavor..... .05 .20 .50 1.50

ONION—Sets.

Onion Sets should be planted near the surface as early in the spring as the ground will permit, in drills about twelve inches apart and four inches in the rows. They produce a very early and profitable crop, and grow in any good soil.

Add ten cents per quart if sent by mail.

	Qt.	Pk.
White Onion Sets.....	.25	\$1.25
Yellow Onion Sets.....	.20	1.00
Potato Onion Sets.....	.20	1.25
Top Onion Sets.....	.20	1.00



Onion Sets.

For larger quantities prices will be given on application.

PARSLEY.

Parsley requires rich, mellow soil; sow thickly in drills, one foot apart and half an inch deep. As the seed germinates slowly, it is best to soak it for a few hours in tepid water before sowing. For winter use, protect in a glass frame or light cellar.

One ounce to 150 feet of drill.

	Pkt.	Oz.	1/4 lb.	Lb.
✓ Extra Double Curled.....	.05	.10	.25	.75
✓ Fern Leaved.....	.05	.10	.25	.75

PARSNIP.

Sow as early in the spring as the weather will admit, in drills fifteen inches apart, covering half an inch deep. When well up, thin out to five or six inches apart in rows. Unlike carrots, they are improved by frosts, and it is usual to take up in the fall a certain quantity for winter use, leaving the rest in the ground until spring, to be dug as required.

One ounce to 200 feet of drill; five pounds to the acre.

✓ Abbott's Improved or Long Smooth. Smooth and quite large; one of the best.....	.05	.10	.20	.50
✓ Hollow Crown. Roots very long, growing mostly below the surface of the ground.....	.05	.10	.20	.50

PEAS.

Peas for an early crop. should be sown as soon as the ground is in working condition. The soil for their reception should be light, dry and well sheltered. Mild manure, such as leaf mold, has a beneficial effect; but for many of the varieties, the soil cannot be too rich. For general crops, the ground should be well manured the previous year, which causes them to yield more abundantly. When grown as a market crop, peas are never staked, and are sown in single rows, two or three inches deep, and from two to three feet apart, according to the variety or strength of the soil. When grown in small quantities for private use, they are generally sown in double rows, six or eight inches apart, and the tall varieties staked up by brush.

One quart to 75 feet of drill; two or three bushels to the acre.

Peas ordered by mail are subject to an extra charge of fifteen cents per quart for postage. Pints furnished at quart rates.



EXTRA EARLY.

✓ **Gradus:**—The earliest Large Podded Pea Grown! As early as the "Alaska."

A new extra early pea, vastly superior to all early sorts, combining as it does, earliness, quality, size and production.

It is extremely hardy, and while a wrinkled variety, can be planted early; maturing quickly; a pea, in size and quality, resembling the Telephone.

The Gradus produces healthy, vigorous vines $2\frac{1}{2}$ feet high, with dark green foliage, bearing well developed pods, containing from 8 to 10 large peas, of fine flavor.

With both the amateur and market gardeners, it is sure to become a favorite, on account of its rapid growth, perfect development, and handsome appearance:.....

Qt.	Pk.	Bu.
.50	\$3.25	\$12.00

✓ **Cleveland's Alaska.** The finest blue seeded extra early Pea known to the trade. The dark green color of the pods rendering it very desirable for transporting long distances, therefore proving a popular sort with gardeners sending pods to distant markets. Very early, uniform in growth, almost entirely free from sports or runners. Height $2\frac{1}{2}$ feet.....

.25	1.50	6.00
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✓ **Cleveland's Eclipse.** This pea is claimed by the introducer to be the earliest variety yet grown, being a vigorous grower and a large producer. Pods of good size and true American Wonder in shape. Seeds green and wrinkled, and of sweet and delicious flavor. Height 2 feet....

.25	1.50	5.25
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Gradus Peas.

✓ **Cleveland's Rural New Yorker.** Very early; prolific, uniform in ripening.

The pods are large, and contain from six to nine peas. Height $2\frac{1}{2}$ feet.....

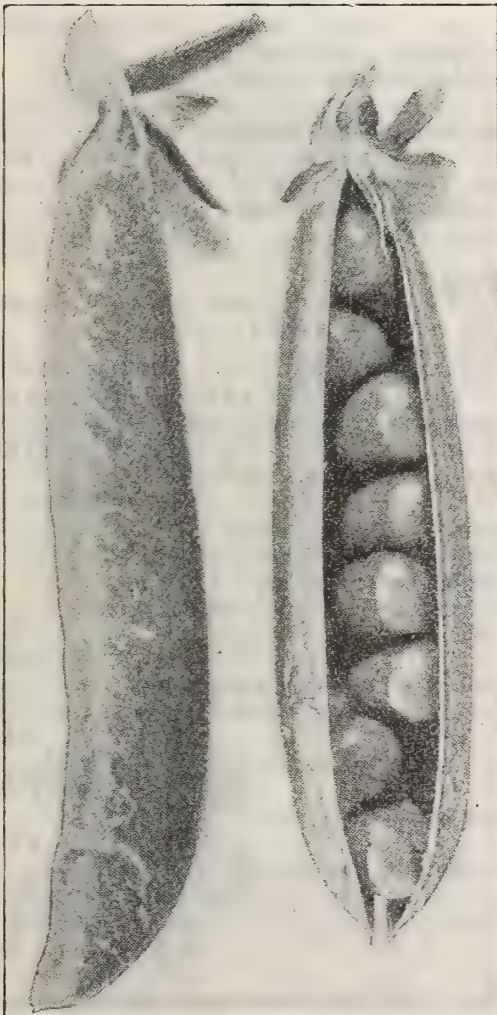
✓ **Carter's First Crop.** One of the earliest varieties; $2\frac{1}{2}$ feet.....

✓ **Improved Daniel O'Rourke.** A favorite early variety; and a good bearer; 3 feet.....

✓ **Philadelphia Extra Early.** Very desirable early variety; 3 feet.....

✓ **Laxton's Alpha.** One of the earliest wrinkled peas; of fine quality and very prolific; pods large and well filled; $2\frac{1}{2}$ feet.....

.20	1.25	4.50
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PEAS—Continued.

	Qt.	Pk.	Bu.
✓ McLean's Little Gem. A dwarf green, wrinkled marrow of superior flavor; 1 foot.....	.25	1.75	6.00
✓ Carter's Premium Gem. A very fine dwarf, wrinkled pea, an improvement on Little Gem; 1 foot.....	.25	1.75	6.00
✓ Nott's Excelsior. Robust and vigorous in growth, inclined to throw out laterals from the base of the stock, producing in profusion long handsome pods, closely packed with large peas of fine flavor. An improvement on American Wonder, being more vigorous and prolific, with larger pods with more peas than either the "Wonder" or "Premium Gem." A decided acquisition. Height 12 inches.....	.30	2.00	7.00
✓ Bliss' American Wonder. One of the earliest wrinkled sort; grows about 9 inches high, and is covered with well-filled pods, often containing 7 or 8 tender and sweet peas. We offer none but the true stock.....	.30	1.75	6.50

SECOND EARLY VARIETIES.

✓ Dwarf Telephone A choice variety with dwarf vines, bearing large, handsome pods, with peas of highest quality, without the long vines of the Telephone, and regular and uniform in growth. Height eighteen inches, stocky, healthy and vigorous, with almost no tendency to sport, and from five to seven days earlier than the Stratagem. Pods: long, remarkably well filled, and of good lasting quality for market purposes. Peas of large size, tender and of delicious flavor.....	.30	1.50	6.00
✓ Heroine. A medium early, green, wrinkled variety, pods remarkably long and handsome; slightly curved, well filled with large peas of fine flavor; 2 feet..	.25	1.25	4.25
✓ McLean's Advancer. An early, green, wrinkled variety, of delicious flavor; 2 feet.....	.25	1.25	4.50
✓ Horsford's Market Garden. An excellent, wrinkled variety, particularly suited for the market garden on account of its great productiveness as well as good quality; 2 feet.....	.25	1.25	4.25
✓ Bliss' Abundance. Of dwarf, bushy habit; pods large, full and numerous, should be sown thinly; 1½ feet.....	.25	1.25	4.25
✓ Duke of Albany. Resembling Telephone in appearance. Vine more dwarf, while the pods are larger and produced in greater abundance, which combined, make it a most desirable acquisition. Height 2½ to 3 feet.....	.25	1.25	5.00

For General Crop.

	Pkt.	Qt.	Pk.	Bu.
✓ Admiral Detwey. A new variety, entirely distinct from any pea yet grown. Foliage, vine and pods rich dark green. Healthy and vigorous, producing pods of largest size, filled with peas of splendid flavor. Undoubtedly the best of all long vine, large podded peas. Height 3½ ft. .10	.35	2.00	7.00	
✓ Champion of England. One of the best and most popular Peas in cultivation; 5 feet.....	.25	1.20	4.00	
✓ Yorkshire Hero. A green, wrinkled variety of blanching habit and fine flavor; 2½ feet.....	.25	1.25	4.25	
✓ Improved Stratagem. A sort in which the good qualities, which gave the old Stratagem its popularity, are so developed as to make this a distinct variety. The pods are of immense size, uniformly filled with very large, dark green peas of the finest quality; vine medium height, stocky, with broad, light green leaves, and bearing an abundance of large, handsome pods; one of the very best varieties for market gardeners; 2 feet.....	.25	1.50	5.00	
✓ Carter's Telephone. A wrinkled variety of superior quality. The foliage is luxuriant and of a light green color, bearing in great abundance, large handsome pods from 5 to 7 inches in length; 3 ft.....	.25	1.50	5.00	
✓ Bliss' Everbearing. Fine wrinkled marrow; pods three to four inches long, well filled with large peas; 2 feet.....	.25	1.25	4.25	
✓ Royal Dwarf White Marrowfat. One of the best late sorts; white seeded; very productive; 3 feet.....	.15	.75	2.75	
✓ Black-Eyed Marrowfat. This as well as the preceding is extensively grown as a field Pea, hardy and productive; 4 feet.....	.15	.75	2.75	
✓ Melting Sugar. Superior to all other of the edible pod sorts.....	.25	1.50	5.00	

PEPPER.

Grown largely for pickles. Sow in hot-beds early in April, and transplant to the open ground when the weather is warm and settled. The rows should be two feet apart and the plants fifteen inches apart in the rows. Rich, warm, mellow soil.

One ounce of seeds will produce about 2,000 plants.

	Pk.	Oz.	¼ lb.
✓ Large Bell. Large and of mild flavor.....	.05	.20	.60
✓ Sweet Mountain or Mammoth. Similar to the Bell, but larger.....	.05	.20	.60
✓ Large Squash. Productive; much used for pickles.....	.05	.20	.60
✓ Red Cherry. Small, round, smooth, glossy scarlet fruit.....	.05	.25	.75
✓ Long Red Cayenne. Bright red; very productive.....	.05	.25	.75



POTATOES.

All our stock is grown in Aroostook County.

	Pk.	Bu.	Bbl.
Extra Early White Rose. As near perfection as any white potato grown, and stands at the head for earliness, quality, productiveness. Is uniform in size and shape, being oblong, with roundish seed end, and smooth surface. A grand general crop variety.....	.50	1.50	4.00
Pure Early Rose. The pioneer of all the improved varieties, still very popular and highly esteemed.....	.40	1.50	3.75
Early Fortune. Among the best early varieties, producing large numbers of marketable tubers. Ripens quickly. Recommended for early transportation.....	.40	1.50	3.75
Early Harvest. Extra early. Large yielder, superb quality. The tubers average large size. A desirable early variety.....	.40	1.50	3.75
Beauty of Hebron. Very productive and early, slightly flesh colored skin with pure white flesh.....	.40	1.50	3.75
New Queen. Resembles the Hebron in color and form, a vigorous grower, producing large crops.....	.40	1.50	3.75
Improved Green Mountain. Improved by careful selection of seed. In season it is medium; one of the best yielders, free from blight and rot, keeps well; color white, form round or oval, smooth skinned, and a heavy yielder.....	.40	1.50	3.75

PUMPKIN.

Chiefly used for agricultural purposes. Same cultivation as for cucumbers and melons.

If sent by mail in quantities of one-half pound and upwards, add eight cents per pound for postage.

	Pkt.	Oz.	Lb.
✓ Large Cheese. Medium size, best for cooking.....	.05	.10	.50
✓ Sugar. Fine grained, sweet and prolific.....	.05	.10	.50
✓ Connecticut Field. Large; best for stock.....		.05	.20



French Breakfast Radish.

RADISH.

Radishes thrive best in a light, rich, sandy loam; heavy or clayey soils not only delay their maturity, but produce crops much inferior, both in appearance and flavor. For a successive supply, sow from the middle of April until September, at intervals of two or three weeks. For an early supply they may be sown in a hot-bed in February.

One ounce for 100 feet of drill.

Non Plus Ultra. The earliest forcing radish; round, bright scarlet, short top, fine flavor; fit for use in about twenty days after sowing.....

	Pkt.	Oz.	½ lb.	Lb.
Non Plus Ultra. The earliest forcing radish; round, bright scarlet, short top, fine flavor; fit for use in about twenty days after sowing.....	.05	.10	.20	.60
✓ Early Scarlet Turnip. White Tip. Handsome bright scarlet color, with white tip.....	.05	.10	.20	.60
✓ Long Scarlet Short Top. Very long and crisp; for frames or open ground.....	.05	.10	.20	.60
✓ Early Scarlet Turnip. Round scarlet, small, short top, mild and crisp...	.05	.10	.20	.60
✓ French Breakfast. A variety of quick growth; very mild and tender; one of the best for forcing.....	.05	.10	.20	.60
✓ Black Spanish. One of the hardest and best for winter use.....	.05	.10	.20	.60

SALSIFY.

Commonly called Vegetable Oyster. Used stewed, boiled or fried. When cooked has an oyster flavor. Sow early in drills fifteen inches apart; cover the seeds with fine soil, an inch and a half deep. One ounce to 50 feet of drill.

Pkt. Oz. ¼ lb. Lb.

✓ **Long White French**..... .05 .10 .30 \$1.00

SPINACH.

Sow early in the spring, in drills a foot apart, every two weeks for a succession; and as it grows thin out for use. For fall use sow in August, and for winter crop in September. Cover that which is left out over winter with straw or leaves, after the weather becomes quite cold.

One ounce to 100 feet of drill; ten to twelve pounds per acre.

✓ **New Thick-Leaved.** Has very large and thick leaves..... .05 .10 .15 .35
 ✓ **Savoy-Leaved.** A very desirable variety; leaves wrinkled..... .05 .10 .15 .35
 ✓ **Long Standing.** Dark green; the longest standing before going to seed... .05 .10 .15 .35
 ✓ **Fall or Prickly.** One of the hardiest and most generally used for fall planting..... .05 .10 .15 .35

SQUASH.

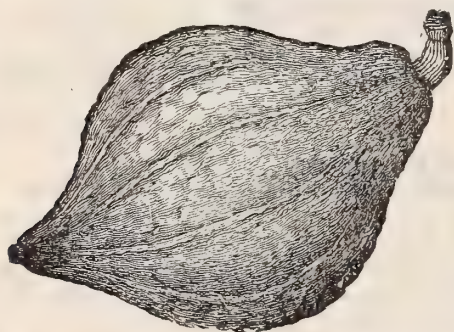
Any good, rich soil is adapted to the growth of the Squash. They only thrive well in a warm temperature, as all the varieties are tender annuals; and the seed should not be sown in the spring until all danger from frost is past, and the ground is warm and thoroughly settled. The hills for bush varieties should be about six feet apart, for running sorts, ten feet. Leave two plants to a hill.



Summer Crook-Neck Squash.

Bush varieties; one ounce to 50 hills; running varieties, one ounce to 15 hills, four pounds per acre.

✓ **Yellow Bush Scalloped.** An early market variety, excellent for shipping .05 .10 .20 .60
 ✓ **Summer Crook-Neck.** Early, productive, and of good quality; fruit orange yellow..... .05 .10 .20 .60
 ✓ **Winter Crook-Neck.** An old and well-known variety; hardy and a good keeper..... .05 .10 .20 .60
 ✓ **Boston Marrow.** A much esteemed variety; a good keeper, and of excellent flavor..... .05 .10 .20 .60
 ✓ **Early Prolific Marrow.** For fall and winter use this is a very desirable sort. Is of excellent quality and keeps well. Color brilliant orange red. .05 .10 .20 .60



Hubbard Squash.

✓ **Hubbard.** A general favorite and more largely grown as a late sort than any other; flesh fine grained, dry and of excellent flavor..... .05 .10 .25 .75
 ✓ **Marblehead.** A good winter squash resembling the Hubbard..... .05 .10 .20 .60
 ✓ **Turban.** Orange-yellow flesh of good flavor..... .05 .10 .20 .65
 ✓ **Essex Hybrid.** A valuable fall and winter squash. Very prolific, fine grained, orange-red flesh, very sweet and dry..... .05 .10 .25 .75
 ✓ **Faxon.** Medium size; very early and productive; orange flesh of fine quality .05 .10 .25 .60
 ✓ **Mammoth.** Grows to a large size, often weighing over two hundred pounds; excellent for stock..... .05 .20 .50 1.00

TOMATO.

This vegetable is one of the most important of all garden products. They thrive best in a warm, light, rich soil. For early plants, sow about the first week in March in a hot bed, or in boxes or pots in a warm window. When the plants are about two inches high, set out in boxes, three inches deep and four inches apart, in the same temperature, or pot singly. If again transplanted before setting out, the plants will be still more stocky. Set out in the open ground about the first of June, four feet apart each way, using a shovelfull of rotted manure in each hill. Keep well sheltered and watered until they are established, after which let the fruit have plenty of sun.

One ounce for 1,500 plants.

✓ **Freedom.** A new, extra early tomato, fruit borne in clusters, and very prolific. Perfectly round, medium size, and a brilliant scarlet..... .05 .25 .75 \$2.50

TOMATO—Continued.

Lorrillard. One of the best for forcing under glass, and for growing in the open ground. Bright, glossy red, smooth, solid, of fine flavor and very early	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Fordhook. Extra early; perfectly smooth and solid; medium size.....	.05	.25	.75	2.50
Livingstone's Beauty. Color very glossy crimson, grows in clusters of four or five; fruit large and solid.....	.05	.25	.75	2.50
Livingstone's Favorite. Productive; good flavor; few seeds; flesh solid; smooth and handsome.....	.05	.20	.60	2.00
Livingstone's Perfection. Early, large, smooth and solid; blood red color	.05	.20	.60	2.00
Dwarf Champion. An early variety; fruit medium size, resembling the Acme in color.....	.05	.20	.60	2.00
Red Cross Early, very smooth and even in size throughout the season, perfectly solid, in color a brilliant crimson, ripens clear to the stem.....	.05	.25	.75	2.50
Canada Victor. Red; very early; of fine quality.....	.05	.20	.60	2.00
Red Cherry. A small early variety, size and shape of a cherry; for pickling.	.05	.30	.85	3.00
Yellow Cherry. Same as above except in color.....	.05	.30	.85	3.00

The following varieties at a uniform price of: per Pkt. 5c.; Oz. 20c.
 Royal Red, Stone, Essex Hybrid, Acme, Trophy, Table Queen, Paragon, Early Ruby.

TOBACCO SEED.

Connecticut Seed Leaf	Pkt.	Oz.	$\frac{1}{4}$ lb.
	.05	.30	1.00

TURNIP.

Turnips thrive best in rich, sandy, gravelly soil. The earliest varieties can be sown as soon as the ground can be worked, either in drills or broadcast. For a succession, sow at intervals of a fortnight until the last week in July, from which time until the end of August sowing may be made for the fall and main crops.

One ounce for 150 feet of drill; one to two pounds in drills for an acre.

To keep the roots fresh during the winter, they may be placed in a cool, dry cellar and buried with dry sand.

Purple Top Milan Turnip.

Purple Top Milan. The earliest variety in cultivation. Flesh white, hard, and of excellent quality.....	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
	.05	.10	.20	.60

White Egg. Oval; handsome and sweet.....	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
	.05	.10	.20	.50

Purple-Top Strap Leaf. Best variety for main crop, equally good for spring or fall sowing; white flesh.....	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
	.05	.08	.15	.40

White-Top Strap Leaf. Similar to the above in quality.	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
	.05	.08	.15	.40

Yellow Stone. Fine hard winter sort.....	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
	.05	.08	.15	.50

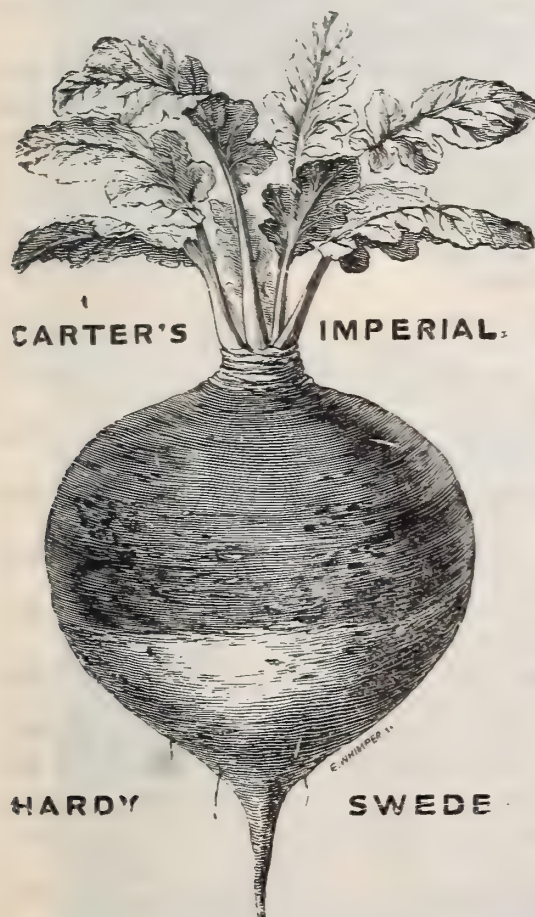
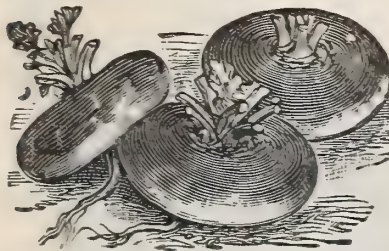
Early White Six Weeks. Pure white, very early.....	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
	.05	.08	.15	.50

Golden Ball. A rapid grower, of excellent flavor; bright yellow, good keeper, and a superior table variety.....	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
	.05	.10	.15	.50

Yellow Aberdeen. An excellent hardy variety, keeping well through the winter.....	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
	.05	.10	.15	.50

RUTA BAGA or SWEDE TURNIP.

Carter's Imperial Hardy Swede An improvement upon the other varieties, being larger, the flesh firmer, and an excellent keeper.....	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
	.05	.08	.15	.40
Skirving's Purple Top. A standard variety, hardy and productive.....	.05	.08	.15	.40
Sweet German. White, sweet and a good keeper.....	.05	.10	.15	.50



SWEET AND MEDICINAL HERBS.

No garden is complete without a few herbs for culinary or medicinal purposes, and care should be taken to harvest them properly. This should be done on a dry day, just before they come into full bloom, then dried quickly and packed, entirely excluded from the air. Sow in spring, in shallow drills, one foot apart and when well up thin out or transplant to a proper distance apart.

	Pkt.	Oz.		Pkt.	Oz.		Pkt.	Oz.
Anise. <i>Annual</i>.....	.05	.15	Fennel, Sweet. <i>Perennial</i> ..	.05	.10	Saffron. <i>Annual</i>.....	.05	.10
Balm. <i>Perennial</i>.....	.05	.25	Horehound. <i>Perennial</i>....	.05	.25	Sage. <i>Annual</i> . Per lb. \$1.50	.05	.15
Basil, Sweet. <i>Annual</i>....	.05	.15	Hyssop. <i>Perennial</i>.....	.05	.25	Summer Savory. <i>Annual</i> ..	.05	.15
Caraway. <i>Biennial</i>.....	.05	.10	Lavender. <i>Perennial</i>....	.05	.15	Thyme. <i>Perennial</i>.....	.05	.25
Coriander. <i>Annual</i>.....	.05	.10	Marjoram, Sweet. <i>Annual</i> ..	.05	.15	Wormwood. <i>Perennial</i>...	.05	.25
Dill. <i>Biennial</i>.....	.05	.10	Rue. <i>Perennial</i>.....	.05	.15			

General List of Grass Seeds and Clovers.

All orders will be filled at lowest price when they are received, or we will take pleasure in quoting prices at any time.

	Uses to which Best Suited.	Kind of Lands to which Best Adapted.	Quantity to the Acre when Sown Alone.	Weight per Bushel.
Timothy	Hay	Stiff, loamy and bottom lands	½ bushel	45 lbs.
Red Top (Recleaned)	Pasture and Hay	Stiff, loamy or bottom lands	6 pounds	35 lbs.
Hungarian	Hay or Forage	Sandy, light or loamy soil	1 bushel	48 lbs.
Golden Millet.	Hay or Forage	Sandy, light or loamy soil	1 bushel	50 lbs.
Orchard Grass	Hay and Pasture	Shady situation, loamy and stiff uplands	3 bushels	14 lbs.
Kentucky Blue Grass	Pasture and Lawn	Loamy and stiff soils	3 bushels	14 lbs.
Rhode Island Bent	Pasture and Lawn	Light and loamy soil	3 bushels	12 lbs.
Fowl Meadow Grass	Hay	Wet meadows	2 bushels	10 lbs.
Red Clover	Hay or Pasture	Loamy and stiff soils	1-4 to 1-3 bush.	60 lbs.
Pea Vine Clover	Same uses and soil as	red clover, but makes larger growth.		
Alfalfa or Lucerne Clover . .	Hay only	Light or deep loams	1-3 bushel	60 lbs.
Alsike Clover	Hay or Pasture	Loamy or stiff bottoms	1-6 bushel	60 lbs.
Crimson Clover	Hay or Pasture	Light, loamy or stiff soils	¼ bushel	60 lbs.
White Clover	Pasture and Lawn	Light, loamy or stiff soils	1-5 to 1-4 bushels	60 lbs.
Tall Meadow Oat Grass . . .	Hay and Pasture	Light, dry and stiff uplands	4 to 5 bushels	11 lbs.
Italian Rye Grass	Hay and Pasture	Stiff lands and rich bottoms	2½ to 3 bushels	20 lbs.
Perennial Rye Grass	Hay and Pasture	Loamy and stiff uplands	2½ to 3 bushels	20 lbs.
Wood Meadow.	Pasture and Lawn	Low, wet and shady situations	2 to 2½ bushels	14 lbs.
Rough Stalked Meadow . . .	Pasture and Hay	Moist, sheltered and low situations	2½ to 3 bushels	14 lbs.
English Rye Grass	Pasture and Lawn	Moist, sheltered and low situations	3 bushels	24 lbs.
Sweet Vernal Grass (Annual)	Lawn	Stiff land, and rich, loamy soil	2 bushels	11 lbs.
Sweet Vernal Grass (Perennial)	Pasture and Lawn	Stiff land, and loamy, rich soil	2 bushels	11 lbs.
Meadow Foxtail	Pasture and Hay	Light, loamy or stiff soil	3 bushels	8 lbs.
Crested Dogstail.	Lawn and golf links	Light, loamy or stiff soil	1½ to 2 bush.	21 lbs.
Sheep's Fescue	Sheep pasture	Dry, light soil	2½ to 3 bush.	12 lbs.
Meadow Fescue	Pasture	Moist and low situations	2 bushels	15 lbs.
Tall Fescue	Pasture	Moist and shady situations	2 bushels	15 lbs.

GRAINS, ETC.AT THE LOWEST MARKET RATES,
AND OF THE BEST QUALITY.**WHEAT, RYE, BARLEY, OATS AND BUCKWHEAT.****Dwarf Essex Rape.**

A forage plant of great merit, easily grown in any locality.

In ordinary field culture the plant reaches a height of from 1½ to 4 feet, and the strong-growing roots penetrate the soil to a considerable depth. The seed should be planted in drills far enough apart to allow cultivation, and may be sown from May to July.

One of the most satisfactory quick-growing crops, especially for sheep, affording abundant supplies of succulent, nutritious pasture in from six to eight weeks from sowing.

As a fattening food for sheep, cattle, calves or pigs, it is without a rival in point of cheapness, is hardy, withstands drought, will produce a crop in any soil, will endure quite severe cold weather, and thus will last a long time after the ordinary pasture grasses succumb to the frost. Sow 10 to 12 pounds per acre broadcast, or 4 to 5 pounds per acre in drills.

Per lb., 12 cts.; 100 lbs., \$8.00. Per lb., postpaid, 20 cts.

**Japanese Barnyard Millet.**

Exceedingly popular as a forage plant. Heavy cropper. Succeeds best in a moderately moist soil; and may be sown from the middle of May until July, broadcast, at the rate of 12 lbs. per acre, or in drills, 8 lbs. per acre.

It is quite distinct from other varieties, being an enormous cropper, and excellent either green or cured as hay.

Per lb., 15 cts. Per lb., postpaid, 25 cts.

**Spring Vetches or Tares.**

Closely associated with peas in character and grown extensively for stock. Very heavy crops can be raised. Sow with oats, same as field peas, two to three bushels per acre.

Per qt., 20 cts. Per bu., \$3.00. Per qt., postpaid, 35 cts.

Velvet Bean.

A rival of the Cow Pea, is a rank grower, and when planted in rows five feet apart will literally cover the ground two to three feet thick with a mass of foliage and vines, and leaves a mulch on the ground that is very beneficial to the soil. Both vines and pods are eaten by live stock, and the beans can be ground either with or without the pods, and fed instead of corn, or oats, or can be mixed with them.

Qt., 20 cts. Pk., 80 cts. Bu., \$2.50. Per qt., postpaid, 35 cts.

Soja Bean.

Valuable as a forage crop, and for fertilizing the soil, also for pasturing, feeding as green fodder, and for silo purposes. It makes a very heavy growth, and is a rich nitrogenous food, forming flesh rapidly. Sow broadcast, ½ bushel to the acre, or plant in drills 3 feet apart, 1 foot between plants.

Qt., 20 cts. Pk., 80 cts. Bu., \$2.50. Per qt., postpaid, 35 cts.

Cow Peas.

Of great value as a summer feed for sheep, and as a green crop for plowing under. Green crops plowed under greatly improve the soil, and for this purpose the cow pea is popular, especially for medium or light soil.

Sow in the month of May, at the rate of 1½ bushels to the acre, and plow under as soon as they have attained their full growth.

Per qt., 15 cts. Per bu., \$2.00. Per qt., postpaid, 30 cts.

**COW PEAS,****Canada Field Peas.**

A small hardy Pea valuable to sow early in the spring, in connection with Oats, to produce green forage and for making ensilage. They can be sown also alone at rate of three bushels per acre. Per bu. \$1.75.



“K. & W.” Lawn Grass Seed.

To produce a perfectly smooth, handsome, carpet-like lawn, great care must be given to its preparation before seeding. A deep soil, well drained and graded, and enriched with decayed manures, and commercial fertilizers, will when sown with a sufficient quantity of

“K. & W.” Lawn Grass Mixture

insure a fine, permanent greensward.

This mixture being prepared from the choicest varieties of short, thick growing grasses, is highly recommended for all private and public grounds, cemetery lots, etc.

Instructions how to prepare and sow a lawn accompany each package.

Per Pound, 15 cents. *If sent by mail add eight cents per pound for postage.*

PERMANENT MIXTURE.

for Golf Links and Putting Greens.

Specially prepared for sowing to produce a short, dense sward.

THE “K. & W.” CHAMPION OATS.

This unexcelled variety was produced in Maine, is free from rust, early and extremely hardy, yielding remarkably heavy crops.

It is a strong growing, stiff strawed oat, the grains being large, white, plump, thin hulled, and first class in every particular, weighing 40 pounds to the measured bushel.

These oats have been carefully selected, thoroughly cleansed, are free from foul seeds.

Per peck, 35 cts., Per bushel, \$1.00

PLANTS BY MAIL.

Plants, Shrubs and Fruits.

SENT DIRECT TO ANY P. O. ADDRESS, POSTPAID.

SPECIALTIES FOR 1902.

WE offer the following choice novelties in Plants and Shrubs, all of which have been carefully tested. We do not think other seedsmen are in any better position to supply choice plants of the best varieties, and we do not think well grown plants of equal value can be purchased for less price.

All plants have been selected with the utmost care, and include none but truly desirable sorts which we can thoroughly recommend. The size of the plants should be taken into consideration, when comparing them with those of other houses; the plants will be strong, thrifty, well developed, and vastly superior to many sent out by some concerns.

Our attention is given to choice specialties in the ornamental line, such as Fine Hardy, Hybrid Perpetual Moss and Climbing Roses, Clematis, Flowering and Ornamental Shrubs and Small Fruits.

We Guarantee All Plants sent out to arrive safely by mail, but we cannot be held responsible for plants dying from neglect or any other cause.

All Packing is done by men of many years experience in such work, who can be depended upon to do it in the most careful manner. The shipping season for dormant stock commences as soon as the frost is out of the ground in the spring, which is usually sometime in March, and continues until the later part of April; this applies to shrubs and plants that do not come from the greenhouse. All stock grown in the greenhouse can be sent out on receipt of order.



DOROTHY PERKINS ROSE.

South Orange Perfection. Blooms freely in clusters. Color, rosy blush, changing to white; flowers are perfect rosettes in form.

Pink Roamer. A more rampant grower than the others. The flowers are single and from 2 to 3 inches in diameter; rich pink with a silver center and orange red stamens; exceedingly fragrant and picturesque.

ROSES.

TRAILING ROSES.

The New Hybrid Trailing Rose,

DOROTHY PERKINS.

In vigor and habit of growth the "Dorothy Perkins" is a true descendant of Rose Wichuriana. Like the latter, its natural habit is to trail flat along the ground, although it is also susceptible of being trained over arches or other supports. It is remarkably vigorous in growth, often making shoots ten to fifteen feet in length during a single season.

The flowers are of large size for this class of Rose, usually about 1½ inches across; are borne in clusters of from six to ten; very double; sweetly scented; of a most beautiful clear shell-pink and holds a long time without fading.

The foliage is of a deep rich green, of thick leathery texture, and remains on the plant in perfect condition, well on into the fall, making it almost an evergreen variety.

Price each, 25 cents.

3 for 60c.; 6 for \$1.10; 12 for \$2.00.

Universal Favorite. Same as the Double White except in color, which is clear, bright pink.

Manda's Triumph. A new Hybrid of remarkable beauty. The flowers are medium size, perfectly double to the center, pure white and very fragrant. The plant has handsome dark green foliage; is entirely hardy and bears flowers in large clusters.

Price, 12c. each; 3 for 30c.; 6 for 50c.; 12 for \$1.00.

RAMBLERS.

HELENE, the New Seedling Rambler.

This is a Rose novelty that we can strongly recommend. It is of very robust growth, throwing up canes ten to fifteen feet high in a single season. The foliage is similar to that of the Crimson Rambler, being of the same texture and glossy appearance, but it is less subject to mildew. It seems perfectly hardy and stands well the winter in the Northern States. Its flowers are borne in large clusters, a well grown bush producing them in profusion. The individual flowers are larger than those of the Crimson Rambler, nearly double and of good substance, remaining in perfection on the bush for a long time. The color is a pure, soft, violet-rose, almost blush, base of petals yellowish. Buds carmine, finely mossed and borne in clusters of 25 to 50. **Price, 25c. each ; 3 for 60c. ; 6 for \$1.10 ; 12 for \$2.00.**

Crimson Rambler. This is a splendid Rose, is perfectly hardy, making shoots 10 to 12 feet in a season. Produces 25 to 30 flowers in a cluster, entirely covering the plant from the ground to the top with a mass of bright, glowing crimson. **Price, 15c. each ; 3 for 35c. ; 6 for 65c. ; 12 for \$1.25.**

Yellow Rambler. This is the only hardy Yellow Climbing Rose, and has been found to successfully withstand, without protection, a continued temperature of from zero to 2 degrees below. Buds a bright yellow, changing to a beautiful creamy tinge. Flowers last 3 to 4 weeks and are very fragrant.



The Pink Rambler. Similar to the Yellow Rambler. in nearly all respects except color; is clear light red or pink.

The White Rambler. Pure white, small double flowers.

Price, 15c. each ; 3 for 35c. ; 6 for 65c. ; 12 for \$1.25.

New Hybrid Sweet Briars.

The Sweet Briar or Eglantine. Acknowledged by all to possess one of the sweetest perfumes that nature has provided, and its delicious scent is the object for which it is usually cultivated. Added to this, the flowers, which are borne in great profusion, are varied in color from white, through several shades of pink, to very dark red or crimson. The plants are perfectly hardy even in very bleak and exposed position.

Fine strong plants are offered this season
in sets of three, comprising the colors :

RED, PINK AND WHITE.

Price, 15c. each ; one each of three colors, 40c.

THREE MOSS ROSES.

Blanche Morreau. Is pure white, large and full : buds very mossy and handsome ; one of the few moss roses that bloom repeatedly during the season.

Crimson Globe. A beautiful dark Crimson. The open flowers have a fine round form ; buds are well mossed and handsome ; strong vigorous grower and a free bloomer.

Princess Adelaide. Light rose pink, of good size. The bush is very hardy, reaching a height of 6 to 8 feet. It is especially well adapted to forming a hedge.

Price, 15c. each ; 3 for 35c. ; 6 for 60c.

Six Hardy Climbing Roses.

Climbing Roses can be enjoyed everywhere, and the following varieties endure the most trying zero weather and are covered with a mass of bloom in the spring.

Baltimore Belle. Produces very double flowers in large clusters. Color, pale blush, shading to rose.

Greville or Seven Sisters. Flowers are produced in large clusters. They vary in color from white to crimson.

Queen of the Prairies. Clear, bright pink ; some times with a white stripe. Very double, full and bloom in clusters.

Russell's Cottage. Dark velvety crimson ; very double, full and a profuse bloomer.

Tennessee Belle. A strong, vigorous climber and free bloomer. Bright rosy blush ; large, full and fragrant.

Mary Washington. A hardy, perpetual blooming climber. The flowers are pure white, perfectly double to center, sweet and borne in endless numbers all summer.

15c. each ; 3 for 35c. ; 6 for 65c. ; 12 for \$1.25.

SIX NEW ROSES OF SPECIAL MERIT.

Caroline Marniesse. This is a perpetual bloomer, even in a dry season when other so-called perpetual bloomers show scarcely any blossoms, is perfectly hardy and produces medium sized very double flowers, sweetly scented.

The Clio Rose. Produces flowers of a beautiful flesh color, is a hardy vigorous grower and produces flowers in abundance, many being 6 inches in diameter.

Empress of China. New and valuable perpetual blooming climber. It commences flowering the first of May and blooms repeatedly until late fall.

Flowers are small, fragrant, delicate and waxy. Bud is a dark red, changing to a red or pink.

Helen Kellar. The plant is a vigorous grower and produces brilliant rose colored flowers from early spring until fall.

Mrs. R. G. Sherman Crawford. Color is a deep, rich pink, outer petals tinted with pale flesh; flowers are large, full, very fragrant and unique.

Marchioness of Lorne. Large, full, cup-shaped; buds long and handsome; rich, shining rose color with vivid carmine; hardy, very fragrant.

Price each 15c. Set of 6 for 75c.

HYBRID PERPETUALS.

Caprice. The flowers are large, ground color soft satiny pink, distinctly striped and dashed with white and carmine.

Alfred Colomb. Bright carmine crimson; very large, full and of fine globular form.

Anne de Diesbach. Bright rose color; very large and showy; particularly fine in bud; flowers slightly cupped. A vigorous grower.

Baron de Bonstetten. Flowers large, double and full; color a rich, dark red, passing to a deep velvety maroon; highly scented.

Coquette des Blanchés. A finely formed, pure white rose, occasionally showing light flesh when first opening; beautiful shell-shaped petals, evenly arranged. Flowers of good size, perfect form and finish. Fine for cemetery planting.

Gen. Jacqueminot. Brilliant crimson; very large, globular and excellent. A free bloomer, unsurpassed in its clear, rich crimson scarlet color.

Gen. Washington. Perfectly double, large, fine form. Color, soft scarlet, sometimes glowing crimson.

Madame Plantier. Pure white; a profuse bloomer; is well-known and valuable; an "Iron-clad" in hardiness; a splendid cemetery rose; unlike the other varieties it *should never be pruned*.

Magna Charta. A splendid sort; bright clear pink flushed with violet crimson; very sweet; flower extra large, fine form, very double and full. A free bloomer.

Marshall P. Wilder. Flowers very large, perfectly double and of good substance. Color, bright cherry red, shading to crimson. The plant is a healthy grower and a very free bloomer.

Mrs. J. H. Laing. Is one of the finest roses of its class. It is very free flowering, commencing to bloom early in the season and continues to bloom profusely until Autumn. Color, a soft, delicate pink, with a satin tinge; very fragrant.

All varieties given under this class are thoroughly hardy and suitable for planting in beds, borders or hedges. They furnish deep rich glowing colors, and are the finest of all roses for vases. Price, 12c. each; 3 for 30c.; 6 for 55c.; 12 for \$1.00.

LA FRANCE.

The La France type is the nearest to perfection of all Roses and the delightful fragrance, by which all of these splendid Roses may be known, is appreciated by every one.

Pink La France. (The La France.) Undoubtedly the most perfect type of a cut-flower Rose. No variety surpasses it in delicate coloring—silvery rose, shaded pink. Flowers large, with the well-known distinct, prevailing fragrance.

Red La France. (Duchess of Albany.) The flow-

ers are darker than La France, of a deeper pink, very large and full.

Striped La France. (Mme. Vlyssset.) Creamy pink, with a silvery gloss, glowing deeper at the base of petals, streaked with delicate carmine, elegantly shaped.

White La France. (Augustine Guinoisseau.) Pearly white, sometimes tinted with fawn.

Price each, 12c.; or set of 4 for 40c.

EVERBLOOMING BEDDING ROSES.

(TEAS AND HYBRID TEAS.)

These are most popular for bedding; bloom when very small, and, if well cared for, flower continually during the whole season.

Pink Soupert. A superb new Tea Rose. The freedom of bloom is marvelous; throughout the entire growing season, it produces cluster after cluster of finely formed buds and flowers. For open ground planting, this variety is conceded to be the best of all pink Roses.

Mosella. (Yellow Soupert.) Remarkably free blooming, producing in continuous profusion, throughout the growing season, clusters of three to six flowers, petals are tinted with white on yellow ground, which becomes golden in centre of flowers.

Safrano. Saffron and apricot; yellow, large, semi-double, beautiful in bud; very free.

Souv. de La Malmaison. Flesh shaded fawn; large, very full, flat.

Souv. de President Carnot. Flesh color, shaded with rosy white at the edges of the petals.

Mme. Hoste. Yellowish white, often canary yellow; base of petals amber colored. One of the finest forcing varieties.

Mme. Caroline Testout. Flowers large, double and globular; clear satiny rose, center brighter. Very fragrant.

Marion Dingee. Deep carmine. Very fine bedder.

Maire Guillot. White, faintly tinged yellow. Large, full and of splendid form. One of the most beautiful.

Mrs. Degraw. Glossy pink, fragrant and continuous bloomer, fine bedder.

Meteor. Velvety crimson. The brightest and best of Hybrid Teas, without a purple tinge.

Papa Gontier. Very bright rose or red, large, not double; flower extra good. A first-class forcing variety.

Perle Des Jardins. Canary yellow; large full, well formed, stiff stems, very free. The standard forcing Tea, by which all others are compared.

Princess Bonnie. Crimson, inside of petals faintly streaked white.

Etoile de Lyon. Deep yellow, double and very beautiful, a good bedder.

Hermosa. Bright rose, medium or small; hardy. It is continually in bloom; very popular.

Kaiserin Augusta Victoria. Pure white with yellow centre. Very free. A most promising variety.

Agrippina. Rich crimson; good bedder. The best of its class.

Champion of the World. Hardy, perpetual in bloom; perfectly double. Deep rosy pink.

Price each, 12c.; 3 for 30c.; 6 for 55c.; 12 for \$1.00.

TENDER CLIMBING ROSES.

Marechal Niel. The immense size, dark golden-yellow color of "Marechal Niel" is familiar to all. Peerless in color, unexampled for size, perfect in form, after more than a quarter of a century it still remains the ideal climbing Tea Rose.

Little White Pet. A strong-growing, pure white Rose, large clusters of flowers.

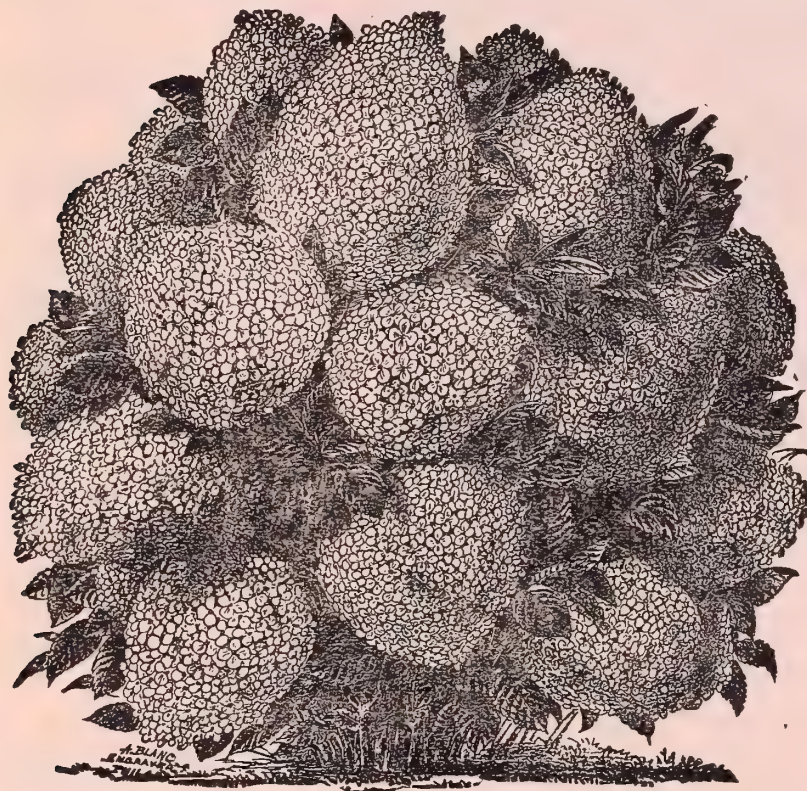
Price, 12c. each; 3 for 30c.; 6 for 55c.; 12 for \$1.00

A NEW JARDINIERE PLANT.

JAPAN CEDAR—(Cryptomeria Japonica.)

In this species of Cryptomeria we have a most dainty and handsome jardiniere plant for house culture and decoration. It is a plant that has all the beauty of the Norfolk Island Pine but of a drooping and more graceful habit. It has the happy faculty of successfully withstanding the trying atmosphere of living rooms, and can be propagated and grown very economically. It is of very vigorous habit of growth and plants of the size offered by us should reach eighteen inches in height within a few months. Price each, 25c.

Hardy Flowering Shrubs.



Hydrangea Grandiflora.

HYDRANGEA

PANICULATA

GRANDIFLORA.

We believe this is to be the most desirable hardy shrub in cultivation. Flowers white, borne in immense pyramidal trusses more than a foot long. It remains in flower two or three months.

Price each, 12c.; 3 for 35c.; 6 for 55c.; 12 for \$1.00.



DEUTZIAS.

Deutzia Candida. Double white flowers. June and July.

Deutzia Crenata. Pure white. Tinged rose color. June and July.

Deutzia Gracilis. Pure white throughout; low, compact habit June.

Price each, 12c.; 3 for 30c.; 6 for 55c.; 12 for \$1.00.

HONEYSUCKLES.

Golden Japan. Leaves variegated, yellow and green; very ornamental.

Monthly Fragrant. (Belgian or Dutch Honeysuckle.) A variety of Woodbine; blooms all summer; flowers very fragrant; red outside, buff within; leaves tinged reddish color.

Hall's Japan Evergreen. Blooms constantly; flowers white; changing to yellow; very fragrant.

Red Trumpet. (Sempervirens.) One of the handsomest varieties in cultivation; leaves, silvery-green; blooms all summer; not fragrant.

Price each, 12c.; 3 for 30c.; 6 for 55c.; 12 for \$1.00.

Mongolian Honeysuckle.

This is an exceedingly handsome flowering shrub introduced from Mongolia. It attains a height of 5 to 6 feet, branching close to the ground and spreading out widely in all directions. The flowers are of a deep violet-red with a white and yellow spot at the base of petals. It is exceedingly floriferous, being completely covered with flowers the whole season.

Price each, 15c.; 3 for 35c.; 6 for 65c.; 12 for \$1.25.



Mongolian Honeysuckle

YUCCA FILAMENTOSA.

This is an indispensable plant in ornamental gardening. There are many places where a clump of dwarf, broad leaved evergreens are necessary, and in such instances the Yucca can be used advantageously. Besides forming a unique mass of green foliage, the effect produced when the plants are in bloom is all that can be desired. It will thrive in dry and shady places.

Price each, 15c.; 3 for 35c.; 6 for 65c.; 12 for \$1.25.

Wistaria, Blue. Flowers in drooping clusters, soft lavender blue.

Price each, 12c.; 3 for 30c.; 6 for 55c.; 12 for \$1.00.

Japan Snowball. Large balls of pure white flowers; very handsome, dark green corrugated foliage. There are often twenty balls on an 18-inch branch. June.

Price each, 15c.; 3 for 35c.; 6 for 65c.; 12 for \$1.25.

Syringa. (Lilac.) The well-known purple variety. May.

Syringa Persica Alba. (The White Persian Lilac.) May.

Price each, 12c.; 3 for 30c.; 6 for 55c.; 12 for \$1.00.

Ampelopsis Veitchii.

(Sometimes called "Boston Ivy"
and "Japan Ivy.")

Entirely hardy in the most exposed places, attaining a height of 20 to 30 feet in two or three years, clinging to stones or brick work with the greatest tenacity. For covering gate posts, boundary walls, etc., it has no equal. In the summer the foliage is a rich shade of green, but in the fall it assumes the most gorgeous tints of *scarlet*, *crimson* and *orange*, so dazzling as to be seen at a great distance.

Price each, 12c.; 3 for 30c.; 6 for 55c.; 12 for \$1.00.

WEIGELIAS.

Weigelia Rosea. Fine large bell-shaped pink blossoms.

Weigelia Variegata. There is no more desirable shrub than this. Leaves are finely variegated, white and green, and the flowers are borne in immense masses.

Price each, 12c.; 3 for 30c.; 6 for 55c.; 12 for \$1.00.

SPIRAEAS.

Spiraea Van Houttei. The most showy of all the Spiraeas and one of the very best flowering shrubs in cultivation. The plant is rather tall, upright grower, with long slender branches that droop gracefully with their weight of foliage and flowers.

Thunbergi. A lovely shrub, with pretty, dense fern-like leaves that in autumn take on the most glowing high colors. The bush is a sheet of white blossoms in early spring, and grows to a good size.

Spiraea Anthony Waterer. Is of Japanese origin, and, although just introduced, is already acknowledged as the ideal florist's plant. When scarcely three inches high, it begins to bloom, and thereafter is seldom out of flowers. As a house plant, nothing can equal it. In the garden it will make a plant 3 feet high and wide, and will be covered with heads 1 foot across, of brilliant crimson flowers.

Price each, 12c.; 3 for 30c.; 6 for 55c.; 12 for \$1.00.

**FRUITS.**

THE NEW WHITE BLACKBERRY,
"ICEBERG."

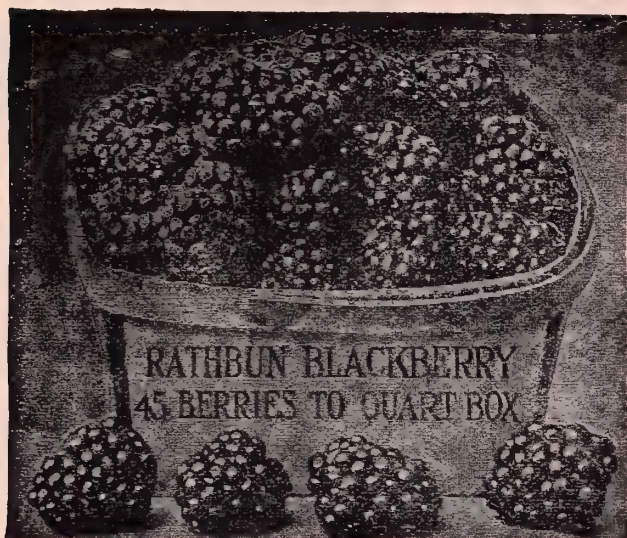
Unsurpassed in Flavor, Size and Productiveness.

One of the very earliest varieties. The berries ripening in succession are borne in splendid large clusters and will remain on the bushes a long time in good condition; the fruiting period is extended for fully a month. The finest white blackberry ever seen.

Price each, 15c.; 3 for 35c.; 6 for 65c.; 12 for \$1.25.



"Iceberg" Blackberry.



Rathbun. The fruit is very large and handsome, intense black with a very high polish and without any hard core, juicy, high-flavored; of so superior a quality that it is in a class by itself.

Price each, 15c. 3 for 35c.; 6 for 65c.; 12 for \$1.25.

Erie. Canes of ironclad hardness, strongest growth, free from all diseases and wonderfully productive. Berry largest size, excellent quality, handsome and firm; early.

Early Harvest. Berries uniform, glossy black. Very early.

DEWBERRY. Lucretia, (or Creeping Blackberry.) Conceded to be the finest of its class, as early as Early Harvest and as large as the Erie. The quality is superb.

Price each, 10c.; 3 for 25c.; 6 for 45c.; 12 for 80c.

BLACK RASPBERRIES.

CUMBERLAND. Largest black raspberry known. The most prolific and desirable market variety because of its immense size, firmness and great productiveness.

Columbian. Most desirable for the garden, a seedling of the Cuthbert, hardy, productive; fruit of large size and great excellence.

Price each, 10c.; 3 for 25c.; 6 for 45c.; 12 for 80c.

Gregg. A popular market sort. Canes of strong, vigorous growth. Berries very large, covered with heavy bloom.

Shafter's Colossal. Canes of great vigor and size, hardy and enormously productive, berries large, and of a rich, sprightly flavor.

Palmer. Very early, vigorous and hardy.

Ohio. Exceedingly productive, very hardy, and free from disease; berries of good size, and of excellent quality.

Souhegan, or Tyler. Very early and productive. Fruit of good size, firm, sweet and pleasant.

RED AND YELLOW VARIETIES.

Cuthbert. The leading marked variety. Canes hardy, large, healthy foliage. Berries large, dark crimson, firm and of good flavor.

Marlboro. The largest of the early red raspberries. Fruit exceedingly large, bright crimson, and of fine quality.

Golden Queen. (Yellow.) The most popular and

best yellow raspberries yet introduced. Of large size, great beauty, high quality, hardness and productiveness.

All the above Raspberries, except *Cumberland* and *Columbian*, each 8c.; 3 for 20c.; 6 for 30c.; 12 for 55c.

STRAWBERRIES BY EXPRESS.

	Per hundred.	Per thousand.
Crescent Seedling,	75 cts.	\$4.00
Lovett,	"	5.00
Fountain,	"	
Brandywine,	"	5.00
Sample,	"	5.00
Haverland,	"	5.00

	Per hundred.	Per thousand.
Popular Gardening,	75 cts.	\$5.00
Bisel,	"	
Splendid,	"	5.00
Warfield,	"	4.50
Beder Wood,	"	

CURRENTS.

We offer the following varieties; **Black Champion**, **Cherry Fay's Prolific**, **North Star**, and **White Grape**.

Price of good strong two year old plants, 10c. each, by mail postpaid; per doz. by express, charges collect, 60c.

GOOSEBERRIES.

We carry the following choice varieties: **Downing**, **Houghton**, **Smith's Improved**, **Columbus**, **Industry**, **Red Jacket**. Price 15c. each, by mail, postpaid; per dozen by express, charges collect, \$1.50.

GLADIOLUS BULBS.

Plant in good garden soil, after the ground becomes warm in the spring, in full exposure to the sun. Set bulbs from 4 to 6 inches deep.

For the best results, cut the spike when the first flowers open, and bloom in the house.

Groff's Hybrid. Imported bulbs of the finest quality, the markings and coloring of which, and the almost endless varieties, are wonderful. They run from white and light purple to the deepest rose,

and are in all shades of purple, heliotrope, clematis, yellow, buff and salmon. Each, 10c.; Per doz. \$1.00; Per 100, \$5.00.

Superfine Mixed. A popular mixture of the most brilliantly colored varieties. Each, 5c.; per doz. 50c.; per 100, \$2.50.

Fine Mixed. Each, 3c.; per doz. 20; per 100, \$1.00. Bulbs ordered by mail are subject to an extra charge of fifteen cents per dozen for postage.

VEGETABLE PLANTS.

CABBAGE PLANTS.—Hot-bed plants,
ready May 1.

	Per Doz.	Per 100	Per 1000
Early Jersey Wakefield,	.15	\$1.00	\$8.00
Henderson's Summer,	.15	1.00	8.00
Fottler's Brunswick,	.15	1.00	8.00

For Winter Crop. Ready June 15.

	Per 100	Per 1000
Henderson's Summer,	.30	\$2.50
Stone Mason Drumhead,	.30	2.50
Fottler's Brunswick,	.30	2.50
American Improved Savoy,	.30	2.50

CAULIFLOWER PLANTS.—Hot-bed plants, ready May 1.

	Per Doz.	Per 100
Henderson's Snowball,	.20	\$1.00
Early Dwarf Erfurt,	.20	1.00

CELERY PLANTS.—Ready about June 10.

Golden Self-Blanching, Boston Market, White Plume.
Price, 75c. per hundred; \$5.00 per thousand.

LETTUCE PLANTS.—Ready May 15. Price, 15c per doz; \$1.00 per hundred.

PEPPER PLANTS.—Ready June 1.

	Per Doz.	Per 100
Large Bell or Squash,	.15	\$1.00

TOMATO PLANTS.—Ready May 15.

Canada Victor,	Beauty,	Essex Hybrid,
Acme,	Red Cross,	Perfection,
Early Ruby,	New Stone,	Lorrillard,
Table Queen,	Dwarf Champion,	Freedom.
Favorite,	Fordhook Early,	Earliana.

Price, 25c. per dozen; \$2.00 per hundred; extra one dozen in each box, 30 cents.

TABLE SHOWING THE QUANTITY OF SEED USUALLY SOWN UPON AN ACRE.

Lbs. per bush.		Lbs. per bush.	
Barley, broadcast.....	.48	Millet.....	.50
Beans, dwarf, in drills.....	.60	Oats, broadcast.....	.32
Beans, pole, in hills.....	.60	Onion, in drills.....	
Beets, Table, in drills.....		Onion Sets, in drills.....	
Beets, Mangel Wurzel.....		Parsnip, in drills.....	
Buckwheat.....	.48	Peas, broadcast.....	
Cabbage, in beds to transplant....		Peas, in drills.....	
Carrot, in drills.....		Potatoes (cut tubers).....	.60
Clover, red.....	.60	Pumpkin, in hills.....	
Clover, white.....	.60	Radish, in drills.....	
Clover, Alsike.....	.60	Round Peas, in drills.....	.60
Clover, Lucerne or Alfalfa.....	.60	Rye, broadcast.....	.56
Corn, in hills.....		Sage, in drills.....	
Corn, for Fodder.....		Spinach, in drills.....	
Cucumber, in hills.....		Squash, (bush varieties,) in hills....	
Grass, Kentucky Blue.....	.14	Squash, (running varieties,) in hills	
Grass, Orchard.....	.14	hills.....	
Grass, Red Top (Recleaned).....	.35	Tomato, to transplant.....	
Grass, Timothy.....	.45	Turnip, broadcast.....	
Grass, Hungarian.....	.48	Turnip, in drills.....	
Grass, Lawn.....	.25	Vetches, broadcast.....	
Melon, Musk, in hills.....		Wheat, broadcast.....	.60
Melon, Water, in hills.....		Wrinkled Peas, in drills.....	

ENGLISH LAWN FERTILIZER.

This dressing is prepared so that it acts gradually through the season. It may be applied at any time during the spring, summer or autumn, or as often as the grass seems to need nourishment.

Odorless and clean to handle.

Ten pound bags for 1000 square feet,	\$.50
Twenty-five pound bags for 2500 square feet,	1.00
Fifty pound bags for 5000 square feet,	1.75
One hundred pound bags for 1/4 acre,	3.00

PURE GROUND BONE. 4 to 5 per cent. ammonia: 21 to 23 per cent. phosphoric acid.

A valuable fertilizer, especially for lawns, vines, and fruit trees.

Per 100 lbs., \$1.80 Per ton, \$32.00.

KIMBALL'S PLANT COMPOUND.

For Stimulating Growth and Rapidly Developing the Plant Organism.

This compound is composed of all the constituents requisite for perfecting the growth of all Flowering Plants. For Parlor Plants, the Wardian Case, Conservatory, or Greenhouse it will be found indispensable.

25 cents Package.

BOWKER'S PLANT FOOD.

PACKAGE.—Sufficient for twenty ordinary-sized plants for three months.....	15 cts.
PACKAGE.—Sufficient for twenty ordinary-sized plants for one year.....	25 "

BRADLEY'S FERTILIZERS

THE BEST FOR FORTY YEARS
THE BEST TO-DAY



Endorsed from Maine to California by
the largest number of farmers as the

WORLD'S BEST BY EVERY TEST

A full stock of **BRADLEY'S STANDARD FERTILIZERS**
always on hand

CHEMICALS. PRICES SUBJECT TO CHANGE.

	Per 100 lbs.	Per ton.
Dissolved Bone Black, containing 16 to 18% soluble and available phosphoric acid,	\$1.50	\$23.00
Muriate of Potash, 80 to 85 per cent.,	3.00	47.00
Nitrate of Soda, 95 to 98 per cent.,	3.00	47.00
Sulphate of Potash, 50 to 55 per cent.,	3.00	55.00
Sulphate of Ammonia, 24¾ to 25¼ per cent.,	4.00	70.00
Kainit, 20 to 25 per cent. sulphate of potash,	1.00	16.00
Land Plaster, Price, bag of 200 lbs., 75 cents.	Ton \$6.00.	

SHEEP MANURE. A pure, natural manure, and the most nutritious food for plants. Its effect is immediate and lasting, it is clean to handle, and is the best of all manures for mixing with the soil for greenhouse plants. As a lawn top-dressing it is unequaled. For mixing with soil, take one part of manure to six parts soil. For making a liquid, take one pound manure to five gallons of water, which can be used with safety daily, if necessary.

PRICE.—5 lb. package, 25 cts.; 10 lb. package, 40 cts.; 100 lb. bag, \$2.00.

SHEEP DIP.

Incarnative Sheep Dip. A highly concentrated non-poisonous liquid for Sheep Washing Purposes.—Killing ticks and Lice, curing Scab and promoting the growth of Wool and Flesh. Used also for Cattle, Horses, Pigs, Fowls, Dogs, etc. A protector of sown seed from Birds, Slugs and "Smut." Does not require heating nor any preparation, simply add cold water and it is ready for use. Easily applied and always effective. **Price, 75 cents per quart. Per gallon, \$2.25.**

Cooper's Sheep Dipping Powder.

A dry preparation to be used only when mixed with water. Is highly recommended as a "Sheep Dip."

PER PACKAGE 50 CTS.

'Rose Leaf' Extract of Tobacco. A perfectly pure, highly concentrated, Extract of Tobacco, always uniform in strength of nicotine poison. Most effective for destroying green fly, mealy bug, thrip, scale, and red spider.

Pint, 30 cents; Quart, 50 cents; Gallon, \$1.50.

LION BRAND BORDEAUX MIXTURE.

This mixture is a scientific preparation and combined in a manner heretofore unknown, thus enabling the manufacturer to place it on the market in practical and usable shape, as by simply adding water and stirring. It is ready for use. It prevents Potato Rot, Potato Blight, Downy Mildew of Grape, Peach, Pear and Cherry Blight, etc.

1 Quart Cans, 40c.

1 Gallon Cans, \$1.00.

Fir-Tree Oil.—Price ½ pint 40c.; pint 75c.; qt. \$1.50.

Hellebore.—Price, ½ lb. pkg. 15c.; 1 lb pkg. 25c.

Paris Green, Pure.—Price 25c. per lb.

London Purple.—Price, 20c. per lb.

Leggett's Fungicoid.—Price, 15c. per lb.

Leggett's Spanish Pink.—Price, 30c. per lb.

Sulphur, Powdered.—Price, 8c. per lb.; 10 lb. pkg. 60c.

Tobacco Soap.—Price, 40c. per lb.

Tobacco Dust.—Price 10c. per lb.; 5 lb. package, 30c.

Tobacco Stems.—Price, \$1.00 per bale of about 100 lbs.

Whale-Oil Soap.—Price, 15c. per lb.

"APHIA BRAND" Tobacco and Whale Oil Soap.

PER CAKE 25 CTS.

**BROWN'S
Acme Cattle Oil.**

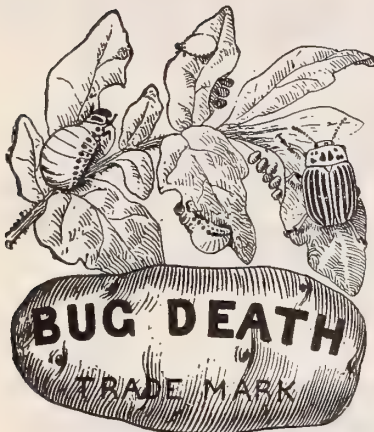
Will absolutely protect Horses and Cattle from the annoyance of Flies, Insects and Vermin of all kinds. A much greater flow of milk from cows kept free from the torment of the *Horne Fly*. "More milk from the cow, more money to the dairyman."

As a disinfectant it will keep your animals healthy. Applied to the walls and ceilings of stables, where there are myriads of flies, they leave instantly.

Apply with any of our Atomizers or Sprayers.

Price per quart Can, 25c., gallon 75c.

BUG DEATH.



Pat. March 16 and Nov. 9, 1897.
Pat. in Canada Nov. 2, 1897.

One of the most popular insecticides on the market.

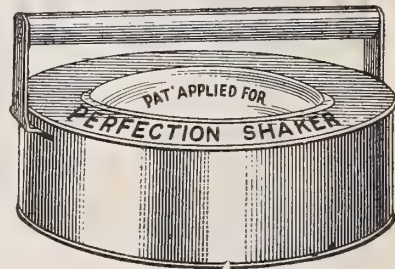
Is a fine powder, may be applied in water and sprayed on the vines with any of the sprayers now on the market, or it can be used dry just as it comes from the package.

Bug Death has been before the public for five years, showing largely increased sales each season; is non-poisonous, and frees the vines from bugs, and will not burn or blight the plants, no matter how freely it may be applied, thus giving the crop of potatoes a better chance to mature, which means a more starchy potato, one less liable to rot, and the extra yield will more than pay the entire expense.

Kills the potato, squash and cucumber bug, currant and tomato worm, also other plant and vine eating pests.

Circular giving results of tests made by practical farmers mailed free on application.

1 pound package,	\$.15
8 " "	.35
5 " "	.50
12 1/2 " "	1.00
100 " "	7.00
Perfection Shaker,	.65



Perfection Shaker.

Especially for applying Bug Death to Potato Vines.



Distributes any dry powder.
Thousands in use.

Leggett's Champion DRY POWDER GUN.

For the distribution of Bug Death, Paris Green, Hellebore, Insect Powder, Flower of Sulphur or Lime.

Price, \$7.50 each.

THE NEW AND PERFECT LIQUID INSECTICIDES.

VINEOLE, For spraying all shrubs and vines.
Sure death to all squash, cucumber and potato bugs, cabbage and currant worms, pea lice, elm beetles, gypsy moths, and all garden vermin.

Price, 1 Qt. Can, each, 25 cts. ; 1 Gal. Can, each, 50 cts. ; 5 Gal. Can, each, \$2.00.

GERMIZOLE, Death to water bugs, roaches, bed-bugs, moths, spiders, house ants, wood lice, etc.

Price, 1 Qt. Can, each 25 cts. ; 1 Gal. Can, each 75 cts.

NAPTHOLE, For exterminating fleas on cats and dogs, and for lice on cattle, horses poultry, etc. The only fluid in existence that will not injure a cat and that will kill the fleas and nits.

Price, 1 Qt. Can, each 25 cts. ; 1 Gal. Can, each 75 cts.



WATER SPRINKLERS.

1 Qt. Painted Tin....\$.15	4 Qt. Galv. Iron..... .35
2 " " "20	6 " " "45
4 " " "30	8 " " "50
6 " " "35	10 " " "55
8 " " "45	12 " " "65
10 " " "50	16 " " "75
12 " " "65	20 " " " 1.25

All our sprinklers are made with Movable Heads which unscrew with an *eighth turn*. There is no joint in the tube, and no leaking. The screw is of zinc and will *not rust*. It is removable at a touch and the holes cleansed. The additional cost is more than made up by its great convenience.

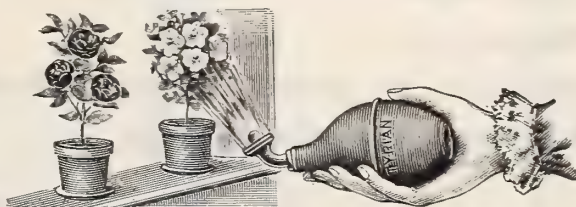
TYRIAN PLANT SPRINKLER.

STRAIGHT NECK.

BENT NECK.

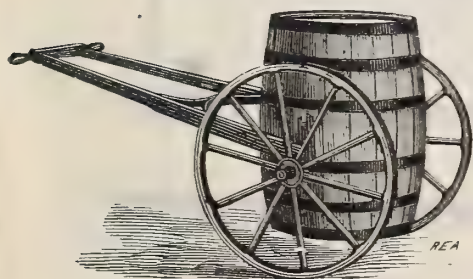
1/2 Pint Size . . . \$.50	1/2 Pint Size . . . \$.60
3/4 " "60	3/4 " "70
1 " "80	1 " "90

Postage, 10 cts. each, extra.



WATER BARREL TRUCK, ETC.

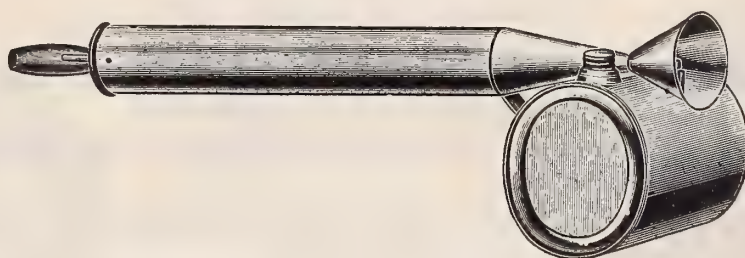
Combined Sprinkler and Hand-Cart.



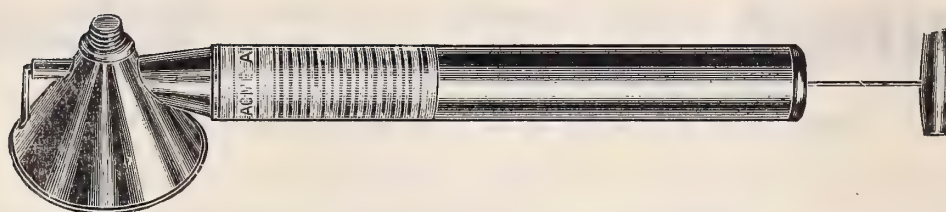
The Barrel is easily disconnected from the truck either while full or empty. The following extra attachments can be furnished if required: Box with trunnions and spring catch, forming a dumping hand-cart. Sprinkler for watering walks and lawns, and also a leaf-rack.

Truck and barrel, complete, wheel 2 1/2 in. tire,	\$ 9.50
Truck and barrel with sprinkler,	14.00
Truck and barrel with hand-cart box,	13.00
Truck and barrel with leaf-rack,	14.50

ATOMIZERS AND POWDER GUNS.



Portland Atomizer.



Acme Atomizer.

ATOMIZERS.

For Spraying all Insecticides on Potato Vines, Shrubs, Small Trees, House Plants, Live Stock and Poultry.

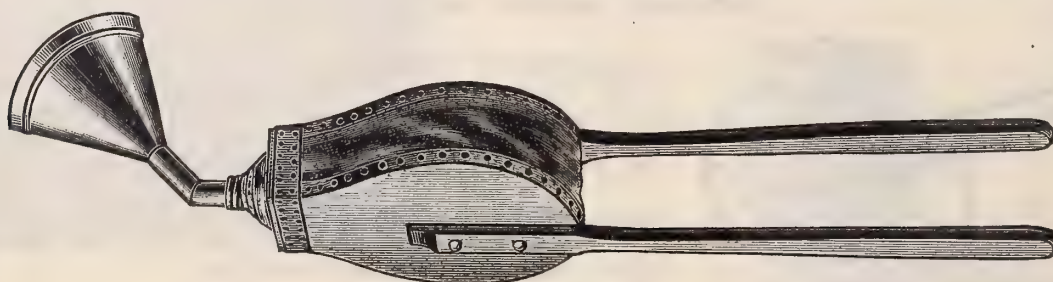
A great Labor Saver on the Farm and in every Garden, Barn, Greenhouse, Orchard and Hennyery.

Will apply the Finest Possible Spray on any object desired, and exterminate any kind of insect life.

Acme, Tin	\$.50
Acme, Brass .....	.75
Portland, Tin .....	.50
Perfection, Tin Double Tube, Galvanized Tank .....	.50
Perfection, Brass Double Tube	1.00

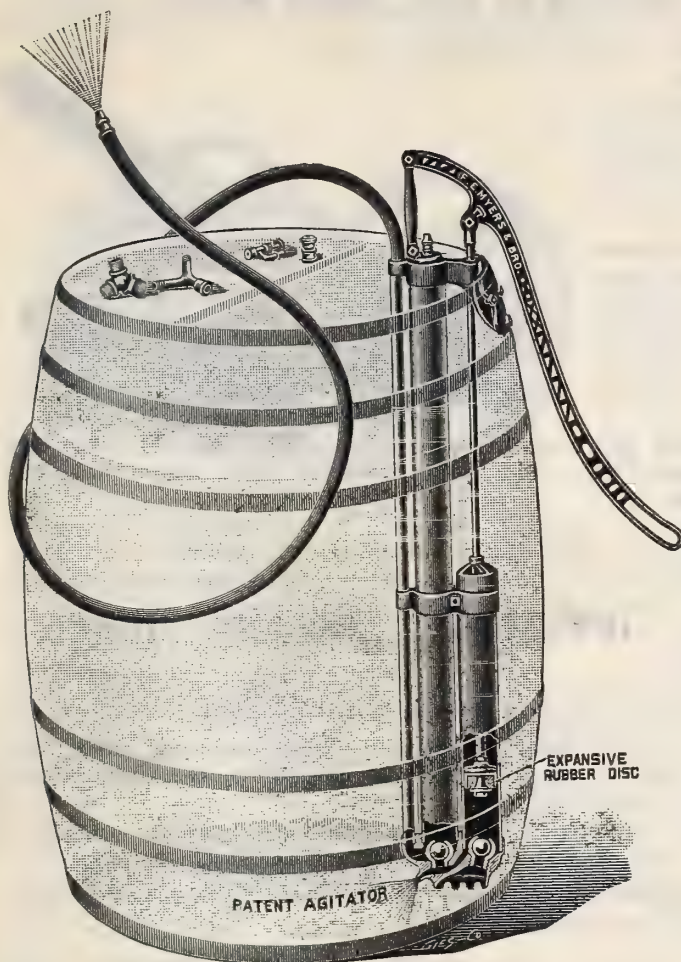
DRY POWDER GUNS.

Acme Single	\$.75
Acme Double	1.75



Acme Powder Gun.

MYERS' SPRAY PUMPS.



No. 305,

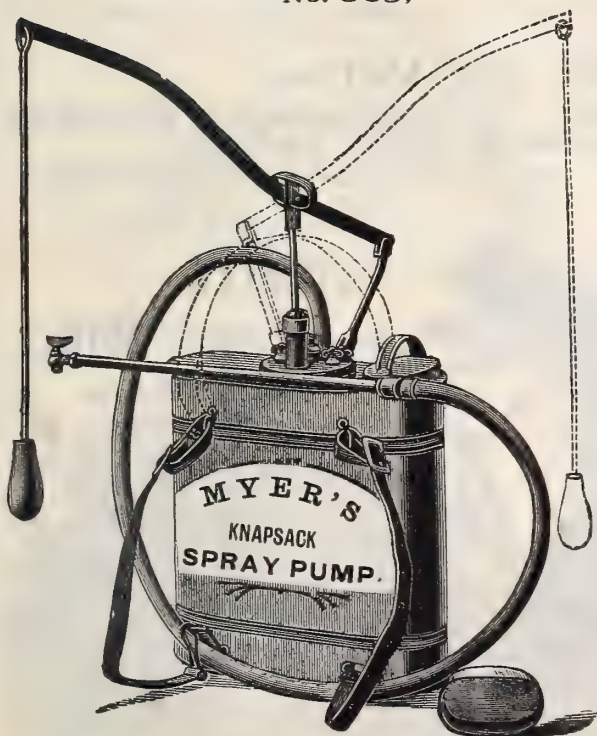


No. 302.

No. 302. Complete except barrel consisting of pump, 5 ft. of $\frac{1}{2}$ inch 3-ply hose. Vermorel spray nozzle, 3 feet of suction pipe, strainer, agitator and air chamber. Price \$7.00.

No. 305. Imperial Barrel Spray Pump, complete except barrel, with 5 feet of $\frac{1}{2}$ inch three-ply discharge hose and Myers' Graduating Vermorel Nozzle. Price \$5.00.

No. 306. Imperial Barrel Spray Pump, complete except barrel, with two leads of $\frac{1}{2}$ inch 3-ply discharge hose, each 5 ft. long, and two Myers' Graduating Vermorel Nozzle. Price \$6.00.



No. 330.



No. 327 1/2.

No. 327 1-2. Little Giant Brass Spray Pump, with agitator, complete with hose and Imperial combination fine and coarse spray and solid stream nozzle. Price \$2.50. With 8 ft. Pipe Extension, \$2.75.

No. 330. Myers' Knapsack Spray Pump, fitted with 5 ft. $\frac{1}{2}$ inch hose, pipe extension and Bordeaux or Graduating Vermorel spray nozzle, which can be graduated from a fine mist spray to a solid stream or shut off entirely. Price \$5.50.

No. 331. Myers' Perfect Knapsack Spray Pump, made with Copper Tank. Complete with hose, stop cock, pipe extension, and Bordeaux or Graduating Vermorel nozzle. Price \$8.00.

No. 332. Myers' Fountain Knapsack Spray Pump with one tube, rubber bulb and rose. Price \$3.00.

Pipe Extension.

"VICTORY" LAWN MOWER.

Superior to any Lawn Mower Manufactured!

ITS SPECIAL FEATURES.

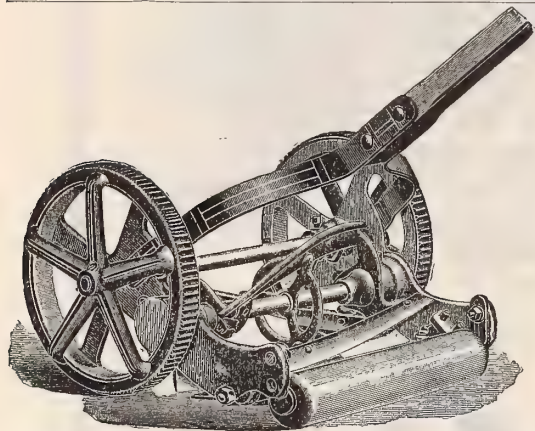
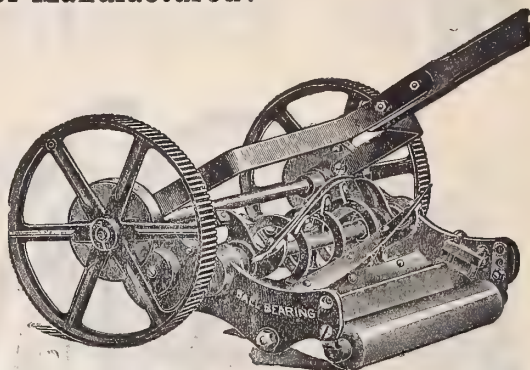
Ball bearings, of the very highest grade, which reduces the friction astonishingly and render it possible to use much wider machines than heretofore. A 24-inch Victory can be operated as easily as any other mower of 16 inch cut.

Triple Gear entirely enclosed, so that no dirt or cut grass can find its way into the pinions and clog them.

A Removable Cutter Bar, which, by loosening four small screws, may be rolled out of the machine for sharpening without disturbing the frame. A very valuable feature, found in no other make of mowers.

A Solid Rectangular Frame, that cannot be twisted or jarred out of parallel; the two side frames being bound tightly together by means of two cold die-drawn steel bolts, which make the most rigid frame ever made. Ten inch wheels.

Width of Cut:	14-in.	16-in.	18-in.	20-in.	22-in.	24-in.
Net Price:	\$7.50	8.00	8.50	9.00	10.00	11.00



Townsend's "Spider" Mower.

Like the "Victory," the "Spider" runs, and cuts, with astonishing ease and rapidity.

It is light, strong and finely made and adjusted, and is certainly the best *medium priced* lawn mower ever offered by any dealer.

It is ball bearing, has nine inch wheels, four bladed, open wiper, and a simple and easy adjustment.

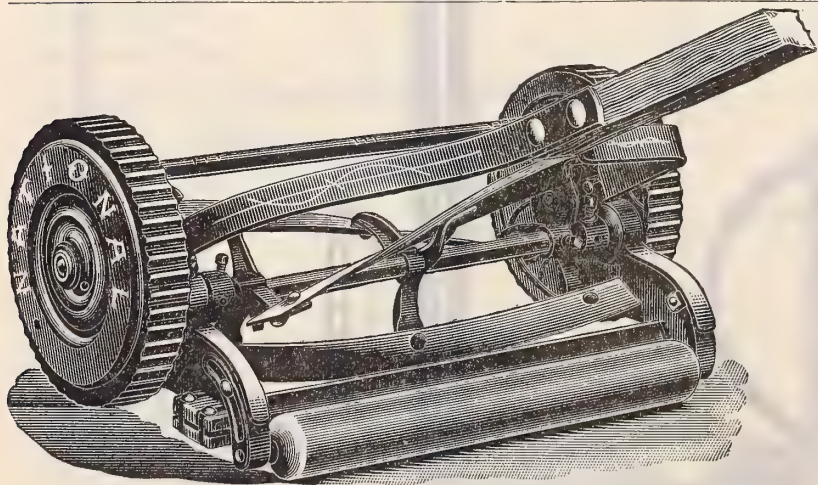
A thoroughly practical lawn mower and second only to the "Victory."

Width of Cut:	12-in.	14-in.	16-in.	18-in.
Net Price:	\$5.00	6.00	6.50	7.00

GLOBE LAWN MOWER.

ADJUSTABLE CUT, SOLID REEL, HANDSOMELY FINISHED
AND GUARANTEED FIRST CLASS IN EVERY RESPECT.

Width of Cut:	12-in.	14-in.	16-in.	18-in.
Net Price:	\$3.75	4.00	4.25	4.75



NATIONAL Lawn Mower.

8 inch Wheels.

The Combined Points are
PRICE, SIMPLICITY,
DURABILITY,

UTILITY.

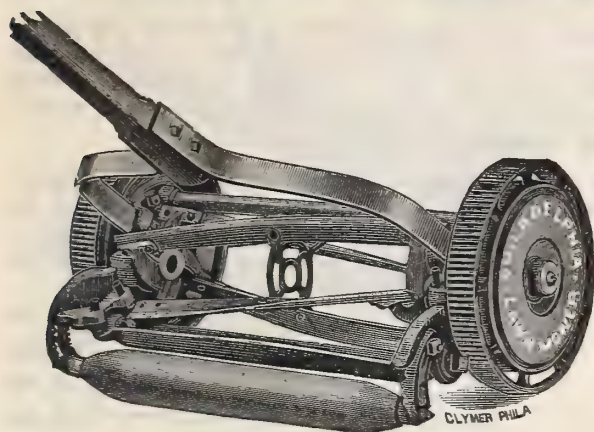
Width of Cut.	Net Price.
12 inch.....	\$2.75
14 ".....	2.75
16 ".....	2.75
18 ".....	3.00

YALE LAWN MOWER.

Has 10½ in. wheels, 1¼ in. face. The wheels are made with an extra rim, which raises the gear away from the ground, so that loose dirt and sand do not get into it, as in the case where the gear is in the outside rim. The reel has four blades, and the reel shaft runs in long polished brass boxes.

Width of Cut:	14-in.	16-in.	18-in.
Net Price:	\$4.00	4.75	5.00

GENUINE PHILADELPHIA LAWN MOWER.



STYLE C MOWER.

This style fills the demand for a MEDIUM High Wheel Mower THAT HAS MERIT.

Has all the improvements, with a four-blade open cylinder, and 8½ inch driving wheel. Is light running, and does fine work.

Width of Cut.	Weight.	Net Price.
14 inch.	36 lbs.	\$5.50
16 "	40 "	6.50
18 "	42 "	7.50
20 "	44 "	8.50

STYLE K MOWER.

Open Wiper.

Has a 10 inch wheel and runs smooth.

The least amount of gearing possible.

Has five knives, insuring a fine cut.

Is constructed upon mechanical principles.

Very simple adjustment of the knives.

Width of Cut.	Weight.	Net Price.
14 inch.	45 lbs.	\$ 7.00
16 "	48 "	8.00
18 "	51 "	9.00
20 "	54 "	10.00

Style A. Is entirely different from all others, has a train of three gears, and many other special advantages.

Is made of STEEL throughout and WEIGHS MUCH LESS than all others of its model.

It being light, runs lighter, and is easily handled. Large wiper, will cut high grass.

Width of Cut.	Weight.	Net Price.
15 inch.	39 lbs.	\$11.00
17 "	42 "	12.00
19 "	44 "	13.50
21 "	46 "	15.00

Diameter of Driving Wheels, 10 inches.

Diameter of Wiper, 6½ inches.

Style.	Width of Cut.	Weight.	Price.
D, Solid Wiper,	10 in.	26 lbs.	\$4.25
D, Open or Solid Wiper,	12 "	28 "	5.25
M, Solid Wiper,	14 "	36 "	5.50
M, "	16 "	38 "	6.50
M, "	18 "	44 "	7.50
M, "	20 "	46 "	8.50

**LAWN MOWERS SHARPENED
AND REPAIRED.**

STYLE M.

SOLID WIPER.

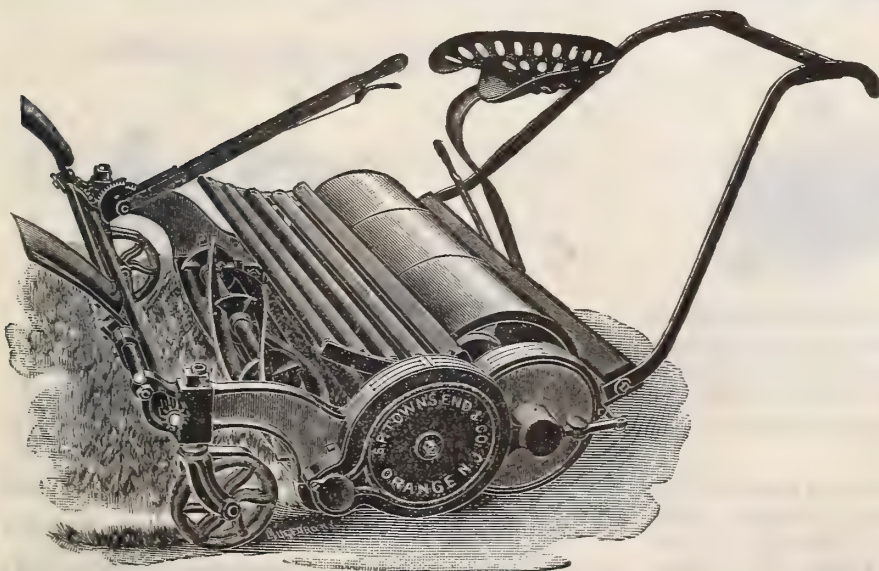


THE TOWNSEND HORSE LAWN MOWER.

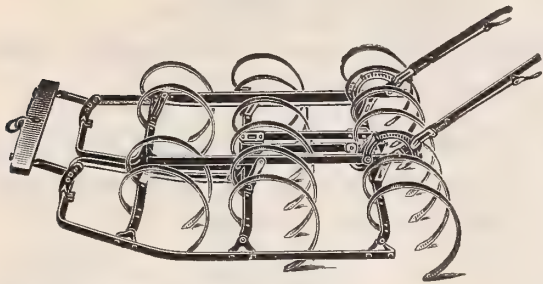
The most perfectly constructed Horse Lawn Mower on the market. Triple rolls with triple pawls in each roll, making the most powerful and instantaneous driving mechanism ever put in a Lawn Mower. Unlike other mowers, the motion of the blades is maintained even when turning sharp corners. The self-aligning journal boxes will be found in this mower only, and prevent cramping, a very common fault in Horse Lawn Mowers.

All machines are fitted complete with Tool Box, Seat, Handles, Shafts and Slide-bar Attachment, which keeps the horse on the cut grass.

30 inch, 36 inch, 38 inch. Write for Price List.



SYRACUSE SPRING TOOTH HARROW.



Frame, Tooth bearing Bars and Teeth are Steel. The frame runs on Steel Shoes which can be renewed at small expense. All Castings Malleable. Most convenient for clearing and turning about or transporting from place to place.

This style of Harrow has advantages over the ordinary float Harrow, in that the depth of work can be quickly changed even while the Harrow is in motion, and by operating the levers a uniform depth can be maintained in soils of variable hardness.

15 Tooth, Two Horse,	Price, \$13.50
17 Tooth, Two Horse,	" 14.50
15 Tooth, Two Horse, with Lever and Wheels,	" 14.50
17 " " " " "	" 15.50
Riding Attachment, for either size.	" 1.00

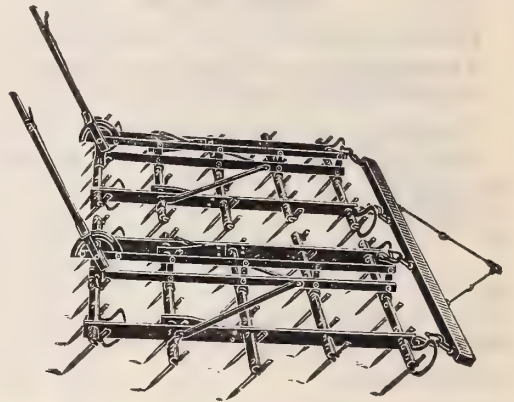
LEVER SPIKE TOOTH HARROW.

Two, Three or Four Sections.

Adapted to pulverize and level the soil and to cultivate young crops. The teeth can be instantly changed from the perpendicular to the horizontal position, thereby throwing the Harrow on the runners for transportation. The teeth are adjustable for wear and the Tooth Holders will hold equally well. Teeth one-half or five-eighths of an inch square.

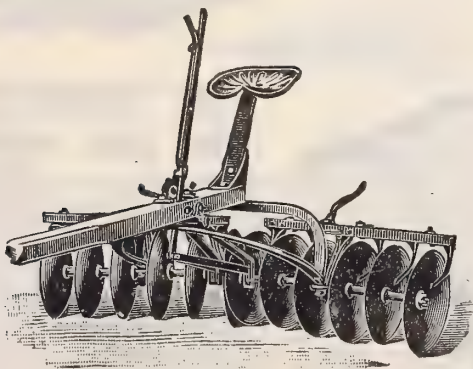
60 teeth two section. Weight 250 lbs.

Price, \$11.00



"BUFFALO PITTS"

All-Steel, Spring-Flexible,
DISC HARROW.



The only Disc Harrow having independent adjustable spring pressure upon the inner end of each gang of discs, allowing any amount of pressure to be thrown upon the inner ends of the gangs by the foot of the operator.

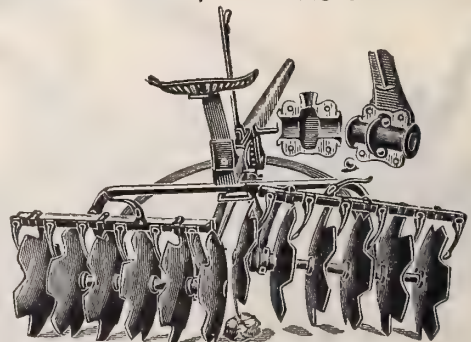
The only Disc Harrow that will pass over an obstruction and leave equal pressure upon opposite discs with no weight upon the horses' necks while working. Price, 16 inch, \$19.00; 20 inch, \$23.00. Including Neck Yoke, Whiffletrees and Eveners.

"BUFFALO PITTS"

All-Steel, Spring-Flexible,
DISC HARROW.

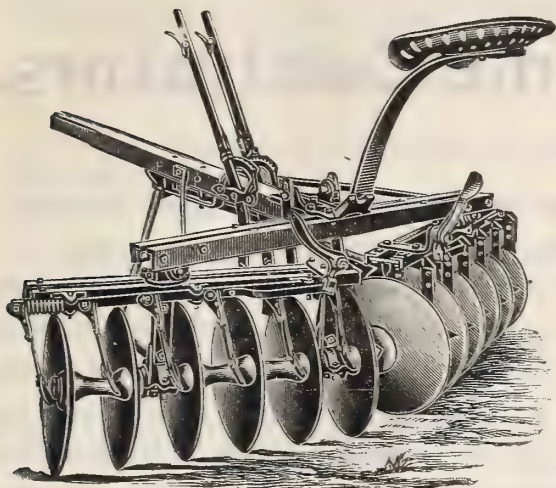
With Spading or Shear Cutting Blades.

THE BUFFALO PITTS ALL-STEEL, SPRING-FLEXIBLE, DISC HARROW.



WITH SPADE CUTTING BLADES.

Especially adapted for stony land, or hard and lumpy soil. Price, 16 inch, \$19.50; 20 inch, \$23.50. Including Neck Yoke, Whiffletrees and Eveners.



SYRACUSE DISC HARROW.

The Frame, is made of double bars of highly tempered angle steel, giving both strength and rigidity. Each Gang has a double jointed hinge which acts vertically and horizontally, giving flexibility and free action when working on uneven ground.

The Levers are placed within easy reach, and each Gang moved separately, so that they are easily operated. The Gangs can also be set at different angles, when necessary, which is an invaluable feature when working on sidehill or rolling land.

Price, 16 inch, \$20 00; 20 inch, \$24.00.

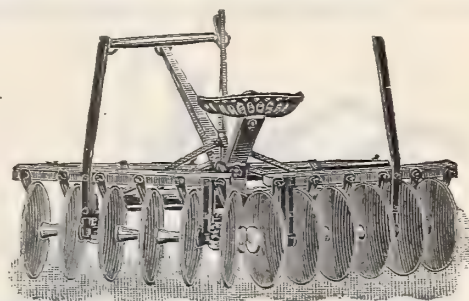
Including Neck Yoke, Whiffletrees and Evener.

The Yankee Pulverizer.

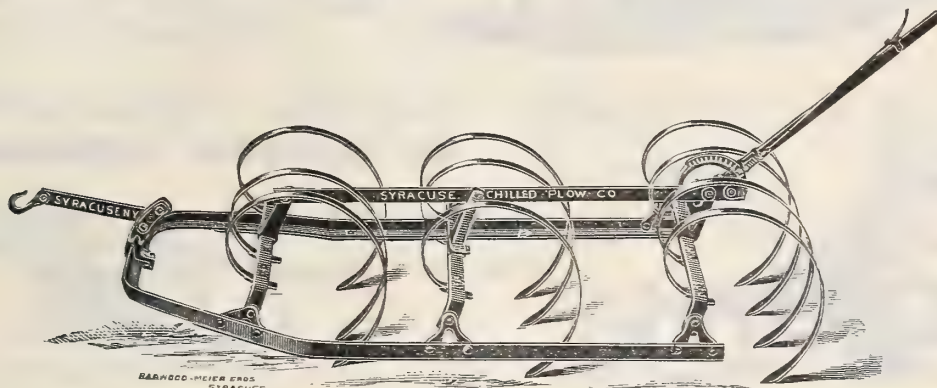
Combining late Improvements in
Disc Harrows.

Price, 16 inch, \$20.00; 20 inch, \$26.00.

Including Neck Yoke, Whiffletrees and Evener.



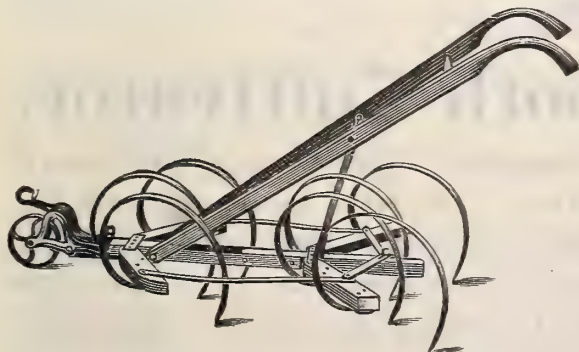
SYRACUSE SPRING TOOTH CULTIVATOR.



Ten Tooth, One Horse, plain teeth, with lever. Weight, 120 lbs.

Price, \$8.00.

SYRACUSE SPRING TOOTH CULTIVATOR.



This Cultivator is especially adapted for use in stony ground. The frames are steel, strong, and well put together throughout. The teeth are fine oil-tempered springs, are alike and interchangeable, and are also adjustable for angle and depth.

No. 61—Five Spring Teeth and Stationary Wheel.

No. 64—Expanding Lever, Five Spring Teeth and Stationary Wheel.

No. 66—“ “ “ “ “ “ Lever

Price, \$5.00

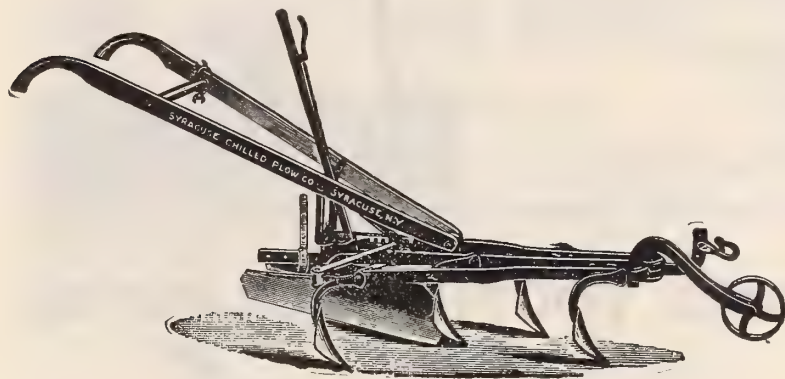
“ 5.75

“ 6.00

Syracuse Steel Frame Cultivators.

In this series of Cultivators the side and cross bars are made in one piece, forming a long and stiff frame, which makes a very steady running cultivator and one not likely to clog.

The Syracuse Cultivators are made almost wholly of steel. They are not only light and easily handled, but are strong and indestructable, and have many especially good qualities not found in the ordinary implement. All the points, excepting the shovel point are reversible, thus giving double wear. The wing points can be easily changed to throw more or less earth to or from the crop, as may be required, and the pitch of all the points can be altered by simply removing one bolt in each standard. Wheel standards are malleable or wrought iron. Clevises are malleable iron. The handles can be raised or lowered or shifted to the right or left.

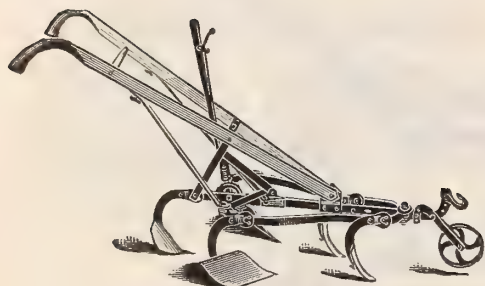


No. 101, Steel Cultivator

Has expanding Lever, five Points, Hiller Sweeps and Wheel.

Price, 6.50.

This Cultivator is made with an extra long and heavy frame.



No. 123, Steel Cultivator.

Has Expanding Lever, five 3-inch Point Wing Points, Shovel Point and Stationary Wheel.

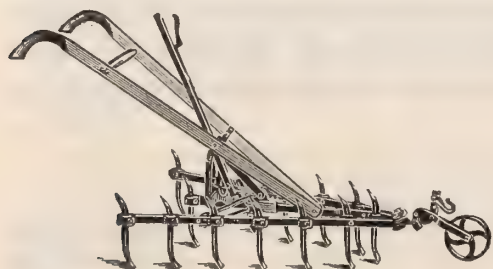
Price, \$4.50.

No. 121, Steel Cultivator.

Expanding Lever, five 3-inch Points, Hiller Sweeps and Wheel.

Price. \$5.00.

Syracuse Spike Tooth Cultivator.



Especially adapted to pulverize the soil and leave it smooth and level. The Teeth are reversible and the pitch can be quickly changed forward or back by simply loosening one bolt at each tooth.

No. 114—Expanding lever, fourteen Spike Teeth and Wheel.

Price, \$4.25.

Syracuse Reversible Sulky Plow.

Does Perfect Work on Hillside or Level Land.
No Ridges or Dead Furrows.
Light and Strong. Simple and Practical.

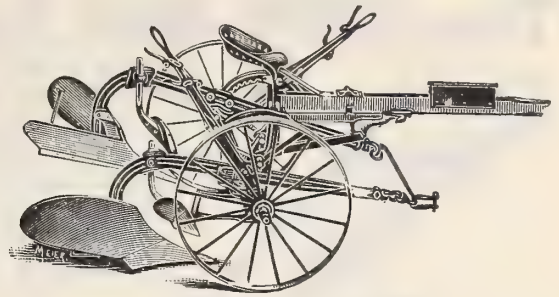
Two Perfect Combination Plows on separate Steel Beams, operated by separate Levers.

A Power Lift of simple design and easily handled, enabling any boy competent to handle horses, capable of running the Plow.

Steel Wheels running on Steel Axles.

With each Sulky is furnished Neck Yoke and Two-Horse Whiffletrees, Wrench and Oil Can.

Descriptive Catalogue and Price mailed on application.



National Reversible Sulky Plow.

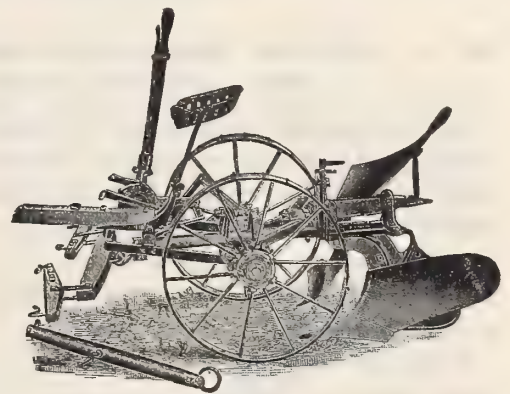
Will Plow Stony, Rough Side Hill or Level Land.

ONLY NEEDS TO BE TESTED TO BE APPRECIATED.

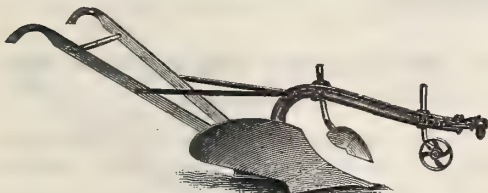
Of Light Draft and Easily Handled.

With each Sulky is furnished Neck-Yoke,
Whiffletrees and Eveners.

Descriptive Catalogue and Price mailed on Application.



Syracuse Steel Beam Plows.



No. 31 Series Steel Plows.



No. 442 Series Combination Plows.

All parts Steel. Workmanship and material of the very best grade and quality attainable. Superior turning qualities; will turn a furrow smoothly up or down on sloping land. We also have a full line of

T. B. HUSSEY'S HARD METAL AND STEEL
AND
J. J. FRYE'S STEEL AND IRON PLOWS.

Descriptive Catalogue and Prices mailed on application.

The Yankee Swivel Plow.

The most perfect working Reversible Plow we have ever offered. Has a wooden beam, patent steeled metal mouldboard, with patent steel shifting lever and Clevis, enabling the plowman to take any desired width of furrow without stopping his team. Manufactured of superior hard metal in four different sizes. For full information and prices, send for Yankee Plow Catalogue.



The IRON AGE Farm and Garden Tools.

As it is possible to show only a few of these implements a complete descriptive Iron Age catalogue will be sent free on request.

The frame of the Iron Age Combined Tools, Seeders, Wheel Hoes and Fertilizer Distributors are made of pipe coupled to malleable castings, thus combining great strength with lightness. They have the celebrated high wheels (16 inches) are easily adjusted and operated, and are most complete and satisfactory.

The No. 6. Iron Age Combined Double and Single Wheel Hoe, Hill and Drill Seeder.



No. 6.

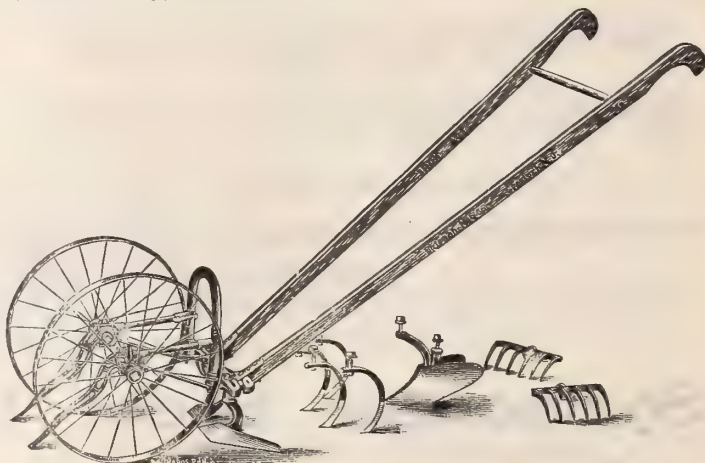
Ten tools in one, and each as satisfactory as a tool made for the special purpose. Places the seed in continuous rows or in hills 4, 6, 8, 12 or 24 inches apart. Can be quickly changed to a Double or Single Wheel Hoe, cultivator, rake or plow. Price, complete, \$10.00.

A similar tool with a different opening plow and without the hill dropping device (for continuous rows only) Iron Age No. 4. Price, \$9.00. For the Wheel Hoe form see No. 1 below.

No. 1. Iron Age Double and Single Wheel Hoe. Price, complete, \$6.00.

Can be quickly changed to a Double or Single Wheel Hoe, cultivator, plow or rake; as a double wheel, can be used astride the row or as a single wheel between the rows. A drill seeder or hill and drill seeder attachment can be added at any time

With side hoes only (Iron Age No. 3). Price, \$3.50.



No. 1.

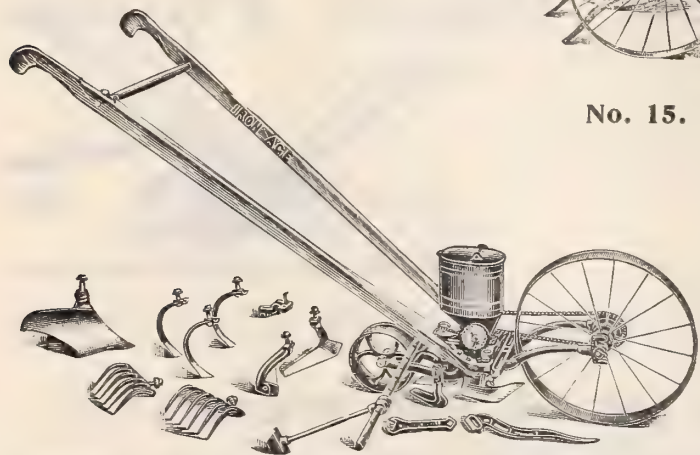
No. 15. Iron Age Combined Single Wheel Hoe, Hill and Drill Seeder.

Very similar to the No. 6 above, excepting it has only the single wheel. Price, complete, \$9.00

This tool complete excepting the hill dropping device (for continuous rows only) Iron Age No. 17. Price, \$8.00.

As a hill and drill seeder only (Iron Age No. 16). Price, \$7.00.

As a drill seeder, for continuous rows only (Iron Age No. 18). Price, \$6.00.



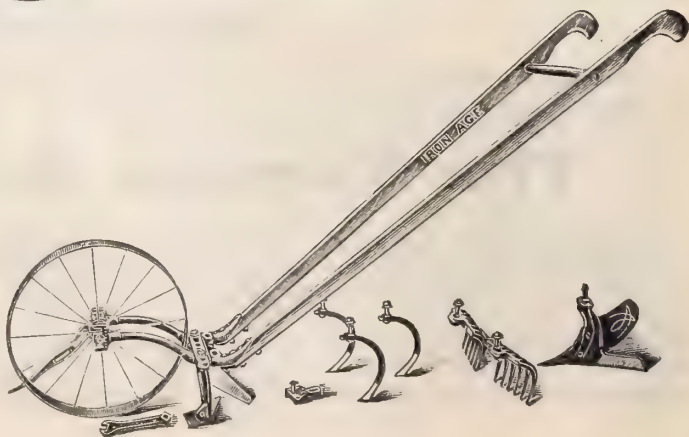
No. 15.

No. 20. Iron Age Single Wheel Hoe.

A most complete single wheel tool. One pair of side hoes, three cultivator teeth, one pair rakes, and a landside plow are furnished. Price, complete, \$5.00.

With plain hoes only (Iron Age No. 21). Price, \$3.25.

Can be used as a seeder at any time by adding the drill or hill and drill seeder attachment.

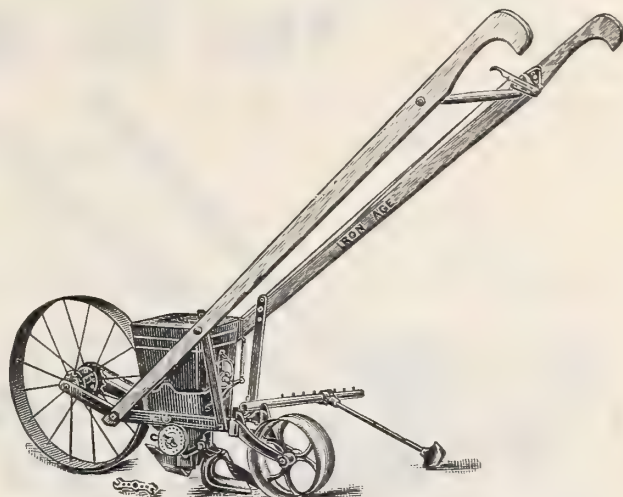


No. 20.

The Iron Age Farm and Garden Tools.—Continued.

The No. 8. Iron Age Hill and Drill Seeder. Price, \$9.00.

This tool is very desirable for the market gardener who prefers an implement for a Seeder only. It is simple, light, strong and capacious. The hopper holds four quarts. All small seeds are accurately placed in hills 4, 6, 8, 12 or 24 inches apart, or in continuous rows.



No. 8.

No. 9. Iron Age Single Wheel Hoe. Price, \$4.50.

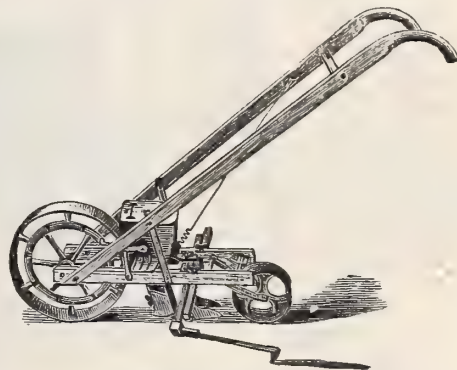
Is especially suitable for narrow rows. It is light, strong, and for work done is very similar to No. 20. A weeder attachment for killing small weeds and pulverizing the soil may also be added. Plain, with hoes only, (Iron Age No. 10). Price, \$2.75.



No. 9.

The New Model Seed Drill.

This Drill has been in use many years, and is well known to give perfect satisfaction. It has a large broad tired wheel, perfect and reliable index, a cut off to stop the flow of seed when desired, and is very valuable and complete. Price, \$7.00.

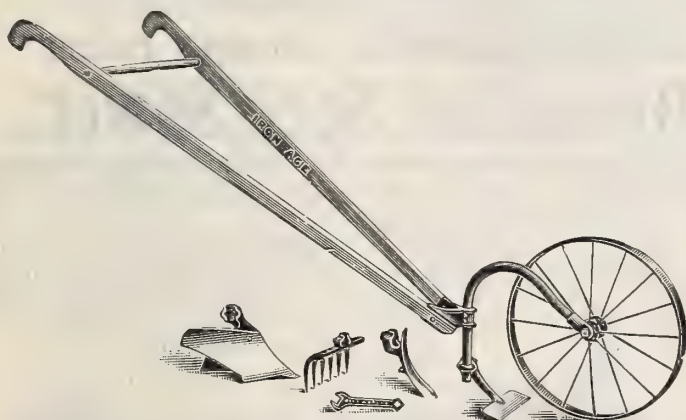


New Model.

No. 12. Iron Age Wheel Plow and Cultivator.

Remarkable for its exceeding lightness combined with great strength; the low price and variety of work it will accomplish. Will do all the work of a kitchen garden, as ploughing, hoeing, raking and cultivating, and is especially suitable for those desiring such a variety of tools for a small amount. Price, complete, \$3.00.

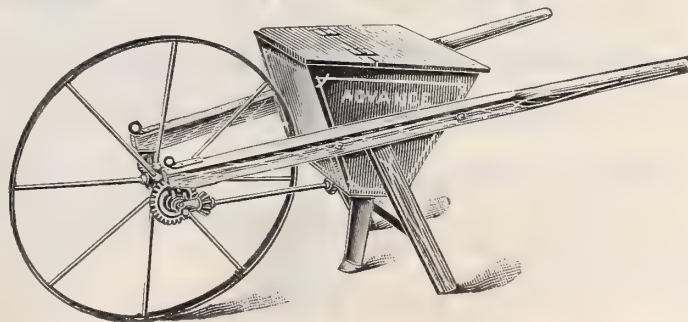
As a Wheel Plow only (Iron Age No. 11). Price, \$2.00



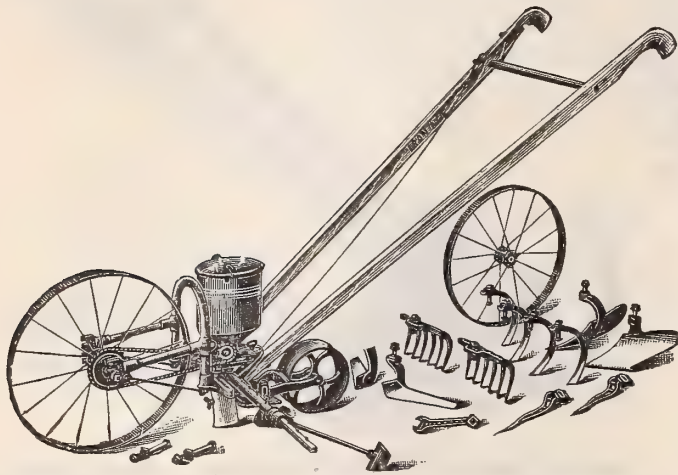
No. 12.

Advance Fertilizer Drill. Price, \$6.00.

One of the best low priced fertilizer distributors made. Has galvanized iron disk which will not rust or break; a light and strong wrought iron wheel, and a shut-off to prevent escape of fertilizer at end of rows. A first-class tool for drilling peas and corn.



No. 4, "IRON AGE" Combined Double and Single Wheel Hoe and Drill Seeder.



Remarkable for the variety of work it will accomplish as it is very similar to the No. 6, excepting the opening plow and hill dropping device. It does not place the seed in hills, but in continuous rows and this feature makes it more desirable to some, as they do not wish to place the seed in hills but prefer the saving in price.

It can be used as a double or single wheel Hoe, cultivator, rake or plow.

Price, Complete, \$9.00.

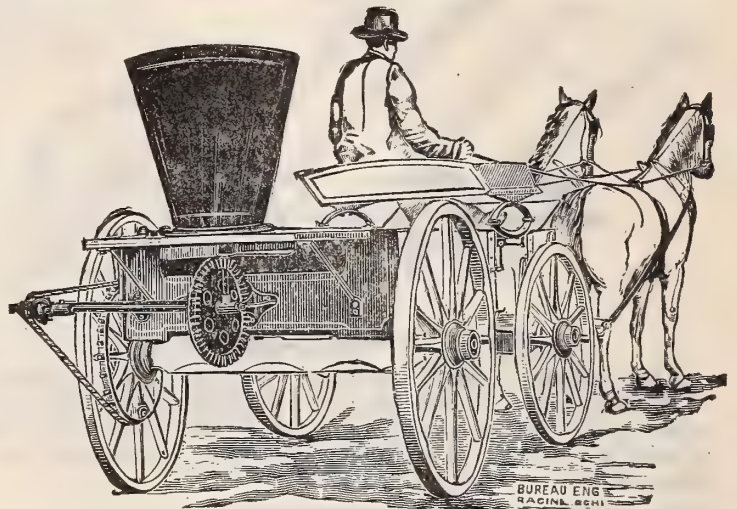
As a drill Seeder only (Iron Age No. 5.)

Price, \$6.50.

The Racine BROADCAST SEEDER.

Will sow perfectly any quantity to the acre of all kinds of Grain, Oats, Barley, Rye, Buckwheat, etc., or Grass Seeds, Clover, Millet, Timothy, Hungarian, etc. Will also sow Peas, Corn and Fertilizers; in fact, anything which requires broadcasting in a most satisfactory manner. It is the latest Wagon End Seeder on the market. Send for descriptive Catalogue.

Price, \$10.00.



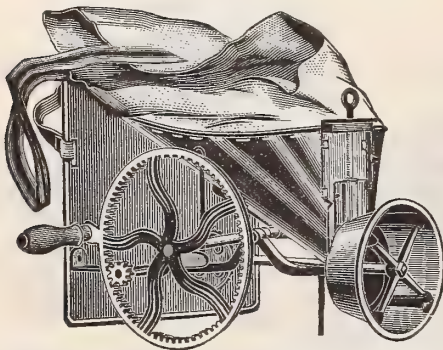
Pierce's Improved Cahoon's Patent Broadcast Seed Sower.

For Sowing Wheat, Oats, Barley, Rye, Buckwheat, Grass Seed, etc.

This hand machine sows from Four to Eight Acres per Hour, at a common walking gait.

A saving of four-fifths of the labor, and one-third of the seed used in hand sowing is effected by using this machine. A person entirely unused to sowing by hand can use it with perfect success. Warranted to give perfect satisfaction.

Price, \$3.00.



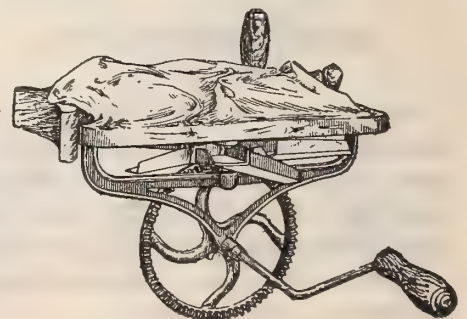
The New NATIONAL Hand Broadcast Seeder.

Simple and Durable, Instantly Adjustable to Suit

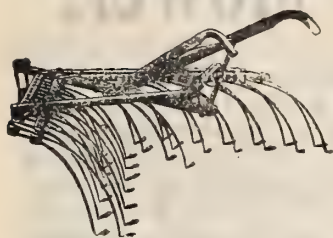
Kinds and Conditions of Seed.

Will sow Wheat, Rye, Oats, Millet, Turnip, and Grass Seeds of all kinds, broadcast.

Price, \$1.50 each.



The "Keystone Adjustable" Weeder.



The "Keystone" is the only Weeder that is Adjustable to Depth and Width. It can be used as a Shallow Cultivator, working close to the plants, between the rows, until the crops mature **long after other Weeders are laid aside.** The depth of cut is regulated by the wheel in front.

Has no shafts that will hinder working close to the fence.

Will not clog. The long curved, spring teeth, are so placed and shaped that clogging is impossible.

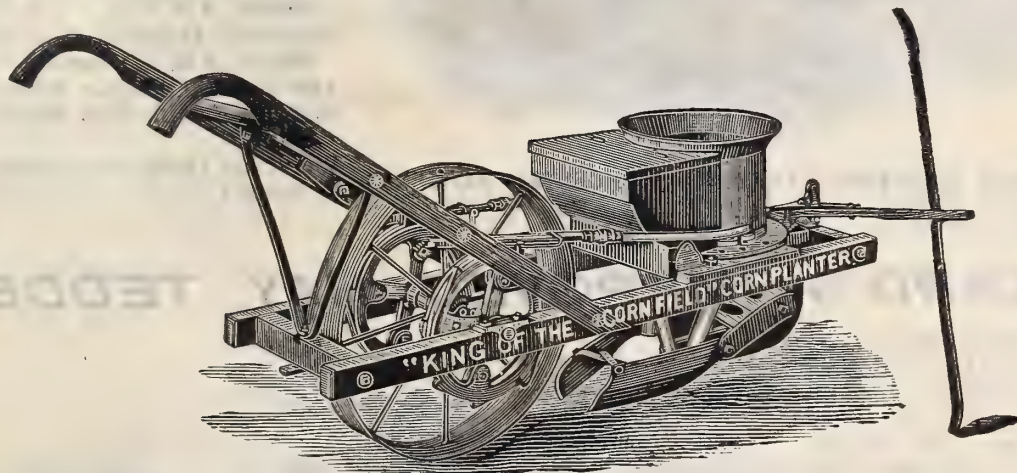
Can be weighted down and teeth will stand 150 lbs. pressure. Being V shaped, it is not only stronger tool than the Straight Frame Weeders, but it adapts itself much better to uneven surface.

Keeps the surface fined to admit the air, thereby creating a mulch that absorbs the Moisture and retards Evaporation.

Can be **EXPANDED** to 7½ feet and **NARROWED** to 30 inches.

Price, \$8.00.

THE KING OF THE CORN FIELD. Corn Planter and Fertilizer Distributor.



PLANTS CORN, BEANS, PEAS, BEETS, AND OTHER SEED OF LIKE SIZE.

This planter is perfectly adapted to every requirement; durable and simple in construction; not liable to get out of order, in consequence of its having no gears, chains, or other complicated parts to break or wear out.

This machine is arranged to drop any desired quantity of seed or fertilizer at a time, at equal and various distance apart, in hills or drills of uniform depth. *The seed dropping device is positive, never misses or skips a hill.*

Price, \$20.00. Descriptive Catalogue mailed on application.

KEMP MANURE SPREADER.



The Kemp Manure Spreader will evenly and thoroughly spread all kinds of manure found upon the farm, from the roughest and toughest down to the finest, including ashes in all conditions, wet or dry, and the time required to spread a load is from one and a half to two minutes without manual labor,

It can be regulated to spread different quantities of manure to the acre.

Price, complete with forward wheels, \$120.00. Without forward wheels, \$100.00.

The Worcester Buckeye Mower.



TWO HORSE FIVE-FOOT STANDARD WORCESTER MOWER.

Competitive tests everywhere, and the positive experience of every one of the thousands upon thousands of Worcester Mower users, prove conclusively and absolutely that Worcester Mowers will cut more grass, and cut grass longer, and cut grass easier, and keep in condition longer, than any other.

The Worcester Buckeye is made in the following Sizes:

Worcester Standard Gear Buckeye Mower, 6 ft.

Worcester Standard Gear Buckeye Mower, 5 ft.

Worcester Standard Gear Buckeye Mower, 4 ft. 6 in.

Worcester Standard Gear Buckeye Mower, 3 ft. 6 in. (1 horse.)

Worcester Standard Gear Buckeye Mower, 4 ft. (1 horse.)

America Chain Gear Mower, 5 ft. 6 in.

Worcester Chain Gear Mower, 4 ft. (1 horse.)

BULLARD'S IMPROVED HAY TEDDER.

The Bullard Improved Hay Tedder having been submitted to the severest test of field work, is admitted to be the only one yet offered to the public that will thoroughly spread long, heavy grass, taking it up from the bottom, tossing it gently into the air, and leaving it light upon the ground for free access of sun and air.

By its features of construction its forks extend outside and in the rear of the wheels, thus the wheels are always inside and in front of the forks and no hay that has been teded is run over and matted down, as is the case with all other hay tedders where the wheels are outside the forks.

Price on application.



THE NEW MODEL MUDGETT TEDDER.

THOROUGHLY MADE AND ADJUSTED IN ALL ITS PARTS.

The draft is light, owing to high wheels and direct application of power to the work, no intermediate gears being used. Price on application.

Adriance Buckeye Mowers

Gives the Greatest Service for the
Longest Time, at the Least Expense.

Every one who has tried them knows it; Ask some user, then try one yourself.

UNITES EVERY SERVICEABLE THING IN MOWERS.

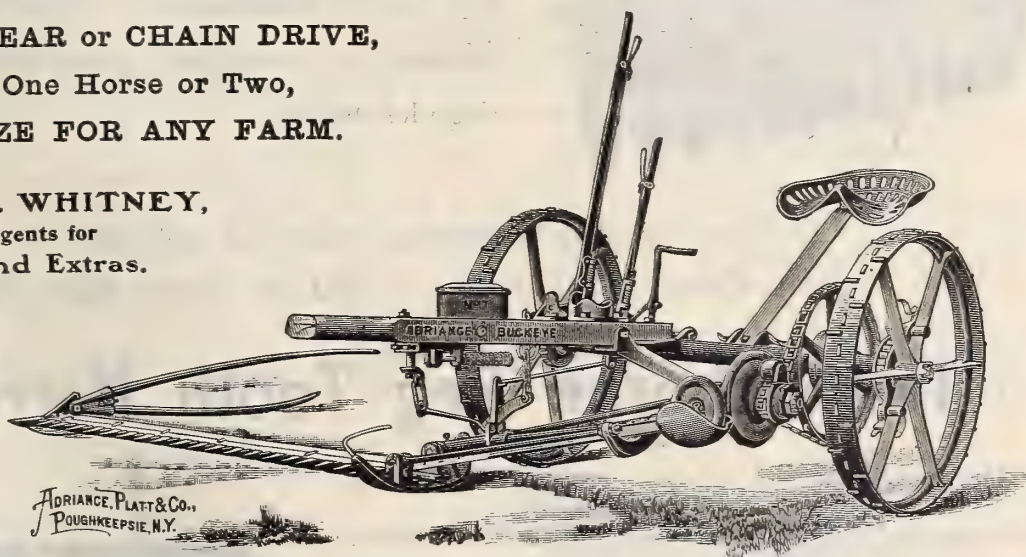
Made in GEAR or CHAIN DRIVE,

For One Horse or Two,

ANY SIZE FOR ANY FARM.

KENDALL & WHITNEY,

General Agents for
Machines and Extras.



THE NEW YORKER HAY RAKE.

DOES ITS WORK RIGHT and HANDLES EASILY, because it combines more
Good Rake Points than any other Rake.

Made with wooden or steel wheels.

ALL SIZES.

THE ADRIANCE HARROWS.

Spring Tooth on Wheels

Patented

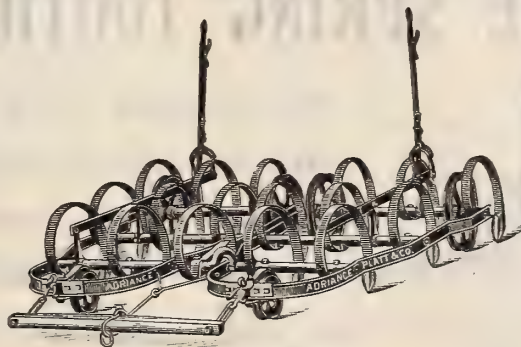
Self Setting Levers.

Made the Best,

Works the Best,

Lasts the Best.

A seat on it if you wish.



The Peg Tooth Lever
Harrow, with Channel
Bar Frame and thorough
Bracing.

Is the strongest, and avoids
catching of Tooth Bars.

It is all right.

Send for a Catalogue or Special Circulars.

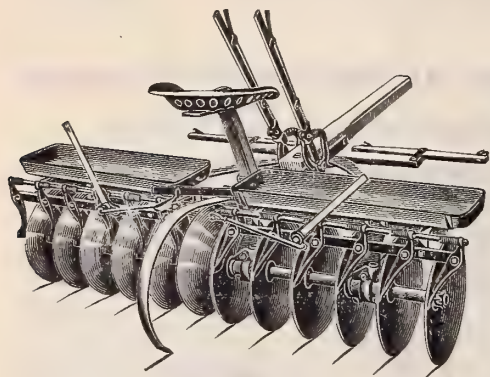
ADRIANCE, PLATT & CO., PORTLAND, ME.

Home Office and Manufactories,

Poughkeepsie, N. Y.

KENDALL & WHITNEY, Transfer and Selling Agents,
PORTLAND, MAINE.

The Osborne Rival Disc Harrow.



One of the most complete Disc Harrows on the market; is furnished with more attachments than any harrow made, namely: Steel weight boxes, scrapers, two levers, and spring tooth for cutting ridge left behind.

Price, including whiffletrees, evener and neck yoke.

16 in. Disc, \$20.00. 20 in. Disc, \$24.00.

The Osborne Peg Tooth Harrow.

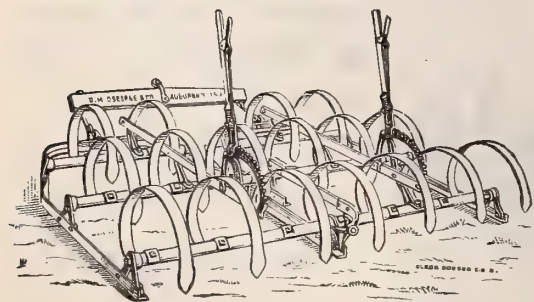
All steel, lever set, in one, two, three, or four sections, of thirty or thirty-five teeth per section. The sections are independent, teeth do not trail, one on another, cannot drop out, as they have upset heads, are reversible, and a ridge or hollow can be cultivated equally as well. Tooth beams are U shaped steel, and are braced and strengthened in each section.



Strongest Spike Tooth Harrow made.

Price, \$10.50.

THE OSBORNE SPRING TOOTH HARROW.

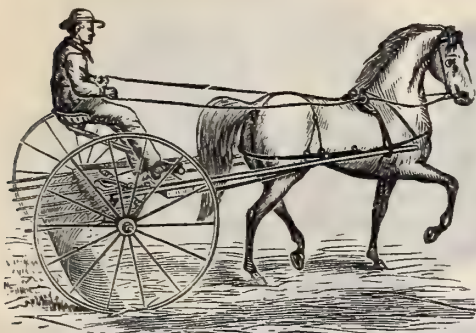


The oldest, and one of the best known; made entirely from steel and malleable iron; teeth set to any required depth; breaks less teeth than any other. Steel runner shoes to relieve the frame from wear. Tooth bars round, and well elevated.

Price {	15 tooth, \$13.00.	{	15 tooth Sulky, \$14.50.
	17 tooth, \$14.00.		17 tooth Sulky, \$15.50.

**KENDALL & WHITNEY, Transfer and Selling Agents,
PORTLAND, ME.**

THE YANKEE HORSE RAKE.



Some of the Leading Points of Superior Excellence found in the Yankee Horse Rake are:

Simplicity in construction and excellent quality of materials.

Adaptability to rake anywhere, whether the fields are rough or smooth, or the hay green or dry.

Rake-head adjusted so as to *balance the weight* of the teeth.

This device (peculiar to the Yankee Rake) prevents the teeth from falling back heavily to the ground, after dumping the windrow. It also completely prevents the teeth from dragging heavily and digging up old rubbish or filling the hay with dirt and dust.

Teeth run level with the ground at their points.

The Yankee has more teeth (which are placed nearer together) than most other rakes.

Teeth always made from the best crucible cast steel, tempered in oil.

A tooth can be inserted or removed in less than five seconds, and without disturbing any bolts.

Each tooth is perfectly independent in action and supplied with a yielding spring that will allow it to pass safely over any obstruction that the axle can pass over, saving at least three-fourths of the expense of broken teeth caused by pressure bars and guides used on rakes that CANNOT USE THIS PATENTED DEVICE. Send for Circular and Price List.

THE "GENUINE" NEW YORK CHAMPION HORSE RAKE.

In the construction of the New York Champion Rakes, only the best material obtainable is used, making it a well built and well finished rake.

It will not dig up new seeding.

It has no springs to get out of order.

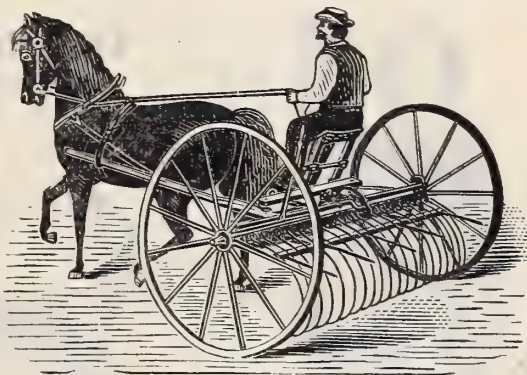
It is very easy to keep the teeth up after going over a windrow.

It can be held down to make very large windrows, or bunch them up.

It is so easily managed that a boy can use it as well as a man.

Patent oscillating cleaner, the only device that fully prevents the hay from rolling and working into the wheels.

Send for Circular and Price List.



THE FOWLER

Mower, Knife and Tool Grinder.

This Grinder ranks pre-eminently at the head of its class. And its simplicity and perfect work represents scientific development, of the highest order. It is simple in construction and operation, for with the oscillating reversible support for either end of bar, and the Ball and Socket Joint to adjust the wheel to any degree or angle, the Fowler will grind anything of tool description, and Harvester Knives to Perfection: regardless of length of bar or position of sections, obviating waste by unnecessary grinding or stopping to adjust and clamp bar as with other so-called "Section Grinders."

Thousands in Use, Giving Perfect Satisfaction.

A POPULAR MACHINE AND A POPULAR PRICE.

Price, \$3.50

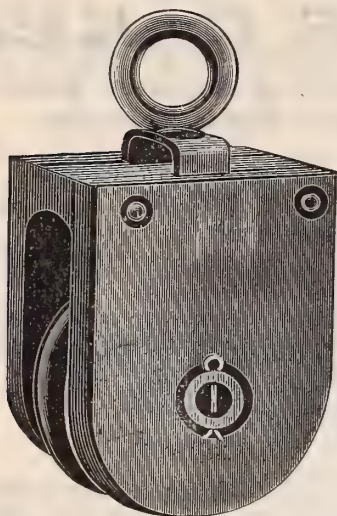
SECTIONS FOR MOWERS AND REAPERS.

Farmers can have their orders promptly filled by sending directly to us for Sections for all kinds of machines.

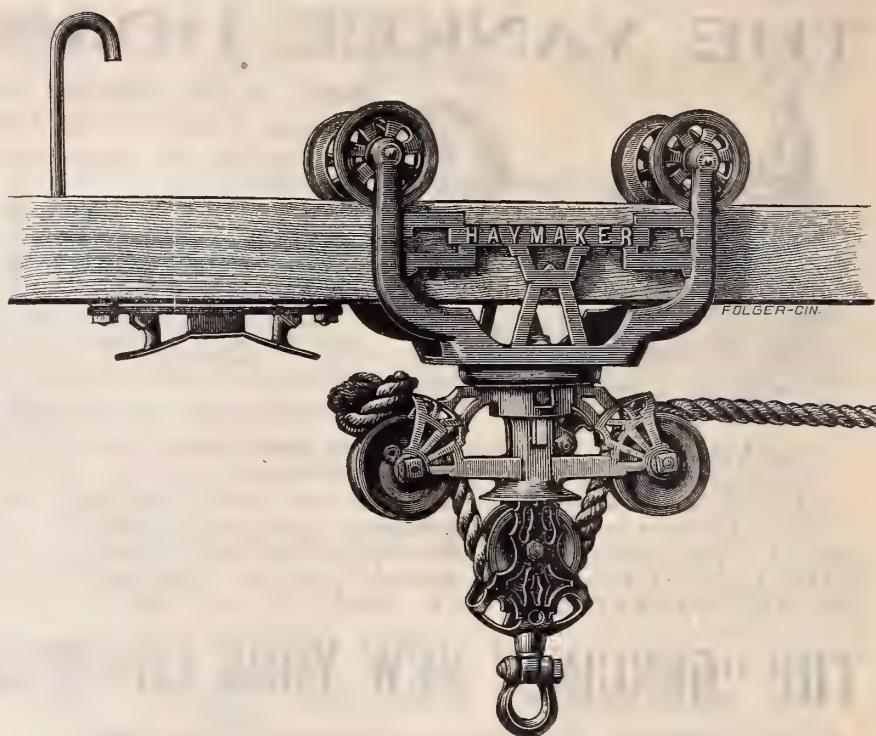
Sections will be polished on both sides, and stamped with the name of the machine for which they are intended.

ALL KNIVES AND SECTIONS WARRANTED.

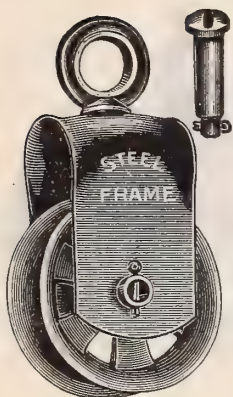
✍ In ordering send size of Section wanted. ✍



Reed Pulley with
Hook or Eye.



The Haymaker Carrier for Wood Track.



Steel Frame
Pulley.



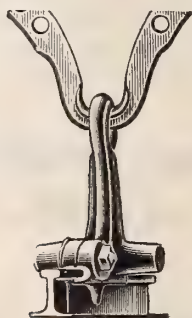
Steel Rafter Grapple.



Regular Double Har-
poon Fork.



Floor Hook.



Rafter Bracket
with Stop.



Rafter Bracket.

SEND FOR PRICE LIST OF HAY CARRIERS AND FIXTURES.

COOLEY CREAMERS.

"Refrigerator Style."



"Refrigerator" style has *double walls*, with two air spaces and two covers, and not being readily affected by heat and cold will require much less ice in the Summer season than a single wall tank and the water will not freeze in the Winter season.

Price of Tanks, less Cans.

	Manuf's Price.	K. & W.'s Price.
No. 1, for three cans.....	\$ 9.00	\$ 8.55
" 2, " four cans.....	12.00	11.40
" 3, " six cans.....	14.00	13.30
" 4, " eight cans.....	16.00	15.20
" 5, " ten cans.....	17.50	16.63
" 6, " twelve cans.....	19.00	18.05
" 7, " fourteen cans....	22.90	20.90
" 8, " sixteen cans.....	25.00	24.70

Price of Tank includes Strainer Frame and Thermometer.

Price of Cans, separate from Tanks:

Cooley Cans each, net cash.....	\$1.75
Cooley Cans with lock cover.....	1.85
Cooley Cans with lock cover and bail...	2.00
Cream Storage Cans with Cooley cover, each.....	.90

The Stoddard Churn.
THE MOST PERFECT CHURN MADE.



The Stoddard Churn is made by hand in the most thorough manner, and of kiln-dried white oak. It will last for years. The principle is concussion and not friction—has no floats of paddles inside. It is easily operated, easily cleaned.

Easiest Churn to get Cream into—Easiest Churn to get butter out of—Easiest Churn to keep Clean—Because the entire top can be removed.

It is simple in its construction, and has no parts liable to get out of order. The Churn being air tight, the cream is not affected by the temperature of the room while churning.

It fully meets the requirements of large or small dairies and is offered at a price within the reach of all.

It is especially adapted to the GRANULAR SYSTEM of making butter.

The grain of the butter is perfectly preserved, which adds to its keeping qualities.

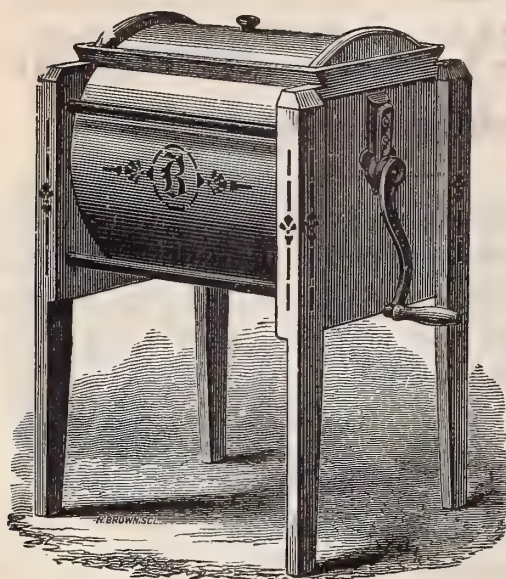
No.	PRICE—DAIRY SIZE.	Manuf's Price.	K. & W.'s Price.
1	Ten Gallon Churn, churns from 1 to 4 gals. cream.....	\$ 8.00	\$ 6.00
2	Fifteen Gallon Churn, churns from 2 to 7 gals. cream.....	9.00	6.75
3	Twenty Gallon Churn, churns from 3 to 9 gals. cream.....	10.00	7.50
4	Twenty-five Gallon Churn, churns from 4 to 12 gals. cream.....	12.00	9.00
5	Thirty-five Gallon Churn, churns from 5 to 16 gals. cream.....	14.00	10.50
5 1/2	Forty-five Gallon Churn, churns from 5 to 20 gals. cream.....	17.00	12.75
6	Sixty Gallon Churn, churns from 6 to 28 gals. cream.....	20.00	15.00

THE HERO CHURN.

The "Hero" Churn we offer to those desiring a lower priced Churn, as we believe that there is more value for the money in this Churn than in any other ever brought to our notice. The Churns are made of best white oak, thoroughly seasoned and kiln-dried, having galvanized iron rim in head making it very strong. The cover fastening is very simple and efficient.

No.	PRICE LIST.	List Price.	K. & W.'s Price.
1	Ten Gal., churns from 1 to 5 gals. cream.....	\$ 8.50	\$4.50
2	Fifteen Gal., churns from 1 to 7 gals. cream.....	9.00	5.00
3	Twenty Gal., churns from 2 to 9 gals. cream.....	10.00	5.50
4	Twenty-five Gal., churns from 2 to 12 gals. cream....	12.00	6.50
5	Thirty-five Gal., churns from 3 to 16 gals. cream....	16.00	7.50





The Blanchard Churn.

The following are the leading merits of the BLANCHARD CHURN:

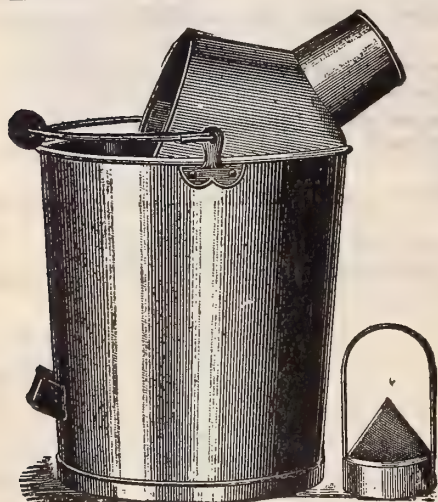
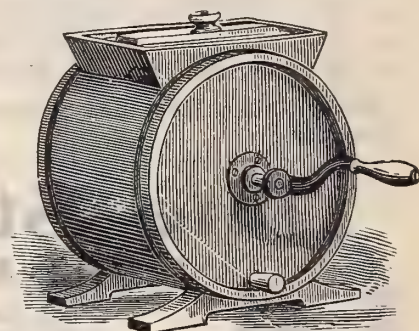
Perfect quality of all materials used. Excellency of manufacture! Simplicity of construction, having no cog wheels or gearing. Durability. Ease of operation. The action of the dasher is such as to cause agitation of the cream by creating currents, and not by beating or by friction of the cream, which may injure the grain of the butter. Facility in removing the dasher and getting at the butter. Ease of cleaning, the form of construction making the inside without any inaccessible or invisible angles or corners.

No. 3, for up to about 2 gallons of cream.....	\$4.00
No. 4, " " 4 " "	4.50
No. 5, " " 6 " "	5.50
No. 6, " " 12 " "	6.50
No. 7, " " 16 " "	8.00

CYLINDER CHURNS.

A Favorite Style of Churn which has been in use for many years.

No. 1, capacity 2 ¼ gallons.....	\$1.50
No. 2, " 4 ".....	1.75
No. 3, " 7 ".....	2.00
No. 4, " 10½ ".....	2.25
No. 5, " 15 ".....	2.75



THE EUREKA STRAINER PAIL

With Removable Strainer.

STRAINS RAPIDLY
AND THOROUGHLY.

Sediment does not collect on the strainer, but passes beyond and accumulates in a pocket designed for it where it is removed with the strainer.

PRICES:—12 Qt., 90 cts.; 14 Qt., \$1.00

PLAIN MILK PAILS.

IX 12 qt.,	.	.	\$.30	3 X 12 qt.,	.	.	\$.40
IX 14 "	.	.	.35	3 X 14 "	.	.	.45

WEIGHING PAIL AND TUBE, \$2.25 EACH.



Milking Tubes.

These tubes will fill a want long felt by dairymen and farmers for a *Cheap* article for drawing milk from cows with sore or obstructed teats.

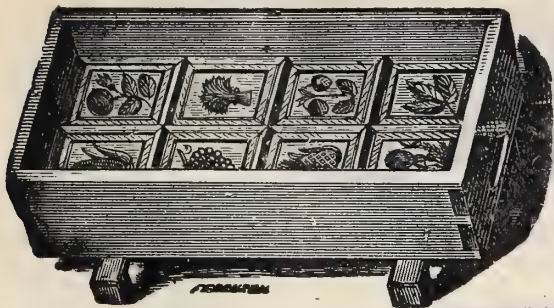
They are nicely made from white metal and heavily plated with pure silver, and are warranted equal to solid silver ones in every respect, at about one-fourth the cost.

We send tubes by mail to any address on receipt of price.

PRICES:	No. 1,	-	-	-	-	-	-	-	\$.25
	No. 2, longer,	-	-	-	-	-	-	-	.30
	No. 2, longest,	-	-	-	-	-	-	-	.75
	Full set, of each size,	-	-	-	-	-	-	-	.75



COMBINATION BUTTER MOULDS.



These moulds are expressly designed to meet the growing demand for strictly first-class hand carved designs, for during the past few years, the creamery and dairy men, have been much more particular about the appearance of their butter than formerly.

The extensive sale and great satisfaction given by the use of the COMBINATION MOULDS has earned a reputation second to no others in use.

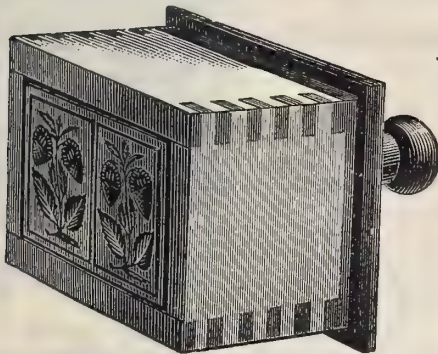
The cut here shown represents Mould No. 6, which holds two lbs., and is divided into eight cakes, ¼ lb. each. The Butter is pressed into the Mould on to

the face of the Print with a paddle, which is also used to strike off surplus butter. In filling, the Mould stands upon the butter-worker or table, and the butter is pressed into the Mould with the left hand on top of paddle.

Prints Engraved to order, with any Design, Initial or Monogram, without extra charge.

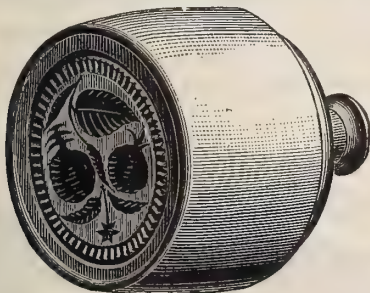
No. of Print.	No. of Cakes.	Capacity of Moulds in lbs.	Capacity of each cake in ounces.	Dimensions of Moulds in inches.	Dimensions of each cake.	Price.
1	3	1½	8	10 x 3½	3½ x 3⅓	\$3.50
2	4	2	8	11 x 3¾	3¾ x 2¾	3.75
3	4	2	8	12 x 3	3 x 3	3.75
4	4	1	4	4½ x 5	2¼ x 2½	3.50
5	4	1	4	10 x 2½	2½ x 2½	3.75
6	8	2	4	10 x 4½	2¼ x 2½	4.50
7	6	1½	4	10 x 3½	3½ x 1¾	4.25
8	12	1¼	2	12 x 4	2 x 2	5.00
9	16	1	1	10 x 3	1½ x 1½	5.00
10	24	1½	1	10 x 4	1¼ x 1⅓	5.25
12	8	4	8	11 x 5	2¾ x 2½	4.50
20A	4	2	8	11 x 4½	3½ x 2½	3.75

Kimball's Butter Moulds.



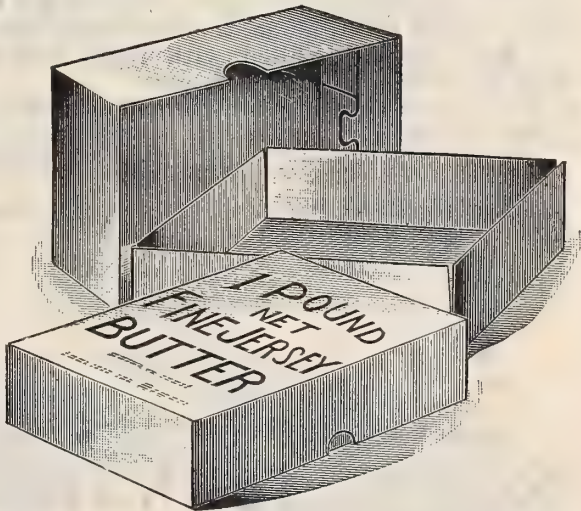
Square Mould.

- Square, 1 pound, two one-half pound prints.....\$.75
- Square, 1-2 pound, two one-fourth pound prints.. .65
- Square, 1-2 pound, single print..... .65



Round Mould.

- Round, 1-2 pound.....\$.30
- Round, 1-4 pound..... .25
- Round, 1-16..... .20
- Round, 1-32 pound..... .15



ONE-POUND

Folding Paper Butter Boxes.

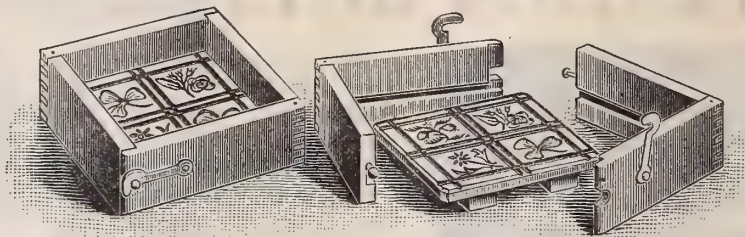
ODORLESS

AND TASTELESS.

PLAIN OR PRINTED.

Send for Price List.

BLANCHARD BUTTER MOULDS.



$\frac{1}{2}$ lb. two $\frac{1}{4}$ lb. Prints, 65c.; 1 lb. four $\frac{1}{4}$ lb. Prints, 75c.; 2 lb. eight $\frac{1}{4}$ lb. Prints, \$1.00.
If engraved with initials, add 25 cents for each letter.



BUTTER CARRIERS

These Carriers are made of White Wood and are very strong, and durable with trays so arranged that the butter is not marred in the least in handling. The ice box is made of zinc, and has two compartments: the top for ice and the bottom for the water as the ice melts, so that the ice is melted by air alone, thereby lasting much longer than if the ice rested in the water.

Each Carrier is filled with Trays, which, when ordered for Ice Boxes, are $4\frac{5}{8}$ inches shorter than the dimensions given below.

The capacity given is for half-pound prints of the *standard size*. The capacity varies with other styles and sizes of prints.

PRICE LIST.

Without Ice Box.	With Ice Box.	No. Trays.	Size.	Price.
12 lbs.		3	$10\frac{1}{2}$ x $7\frac{1}{4}$ inches, 2 inches deep,	\$1.50
24 "	18 lbs.	3	$10\frac{1}{2}$ x $14\frac{3}{4}$ " " " "	1.60
30 "	24 "	3	$10\frac{1}{2}$ x $18\frac{1}{4}$ " " " "	1.75
40 "	34 "	4	$10\frac{1}{2}$ x $18\frac{1}{4}$ " " " "	2.00
50 "	44 "	5	$10\frac{1}{2}$ x $18\frac{1}{4}$ " " " "	2.25
60 "	54 "	6	$10\frac{1}{2}$ x $18\frac{1}{4}$ " " " "	2.50

Ice Box with three extra Trays 75 cents. No Ice Box or extra Trays sent unless ordered.

NON-RETURNABLE BUTTER CARRIERS.

These Carriers are made of Spruce and are designed for those who wish to ship Print Butter without going to the expense of our returnable Carriers as shown above.

They are made in the following standard sizes with Hinges and Hasps.

12 lbs. including Trays,	35c. each.	40 lbs. including Trays,	50c. each.
24 " " "	42c. " "	48 " " "	60c. " "
30 " " "	45c. " "	60 " " "	70c. " "

Without Hinges and Hasps, 10 cents less.

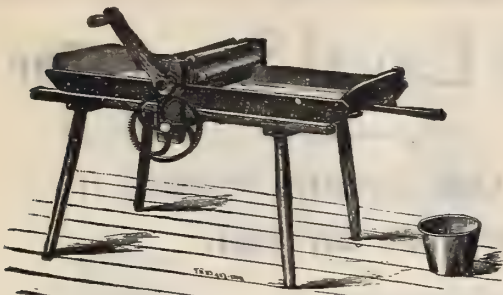
Non-Returnable Butter Shipping Boxes.

These Boxes are made from spruce which can be furnished either in Shook or made up.

They are made in the following standard sizes.

5 lbs. per one hundred with printed ends, \$5.00	32 lbs. per one hundred with printed ends, \$10.50
10 " " " " 6.00	48 " " " " 12.50
20 " " " " 8.50	60 " " " " 14.50

Price not printed, 50 cents per hundred less.



THE Waters Butter Worker.

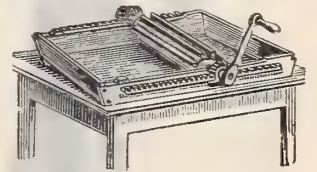
Practical, Efficient, Durable. It combines more advantages than any other. The tray is removable and thus takes the place of the butter bowl.

Will work butter in any condition satisfactorily. Made in sizes to suit any dairy or factory.

Size No.	Length of Tray.	Width of Tray.	Capacity.	Mnfr's Price.	K. & W.'s Price.
0	27 in.	14 in.	1 to 15 lbs.	\$ 7.00	\$ 6.00
1	36 in.	15 in.	5 to 30 lbs.	8.00	7.00
2	36 in.	18 in.	5 to 40 lbs.	9.00	8.00
3	39 in.	20 in.	5 to 50 lbs.	10.00	9.00
4	48 in.	22 in.	10 to 75 lbs.	12.00	11.00

Reid's Patent Butter Worker.

These machines are all built of the best material; the iron part is galvanized, preventing rust.



PRICE LIST.

No.	Size	Capacity	Mnfr's Price.	K. W.'s Price.
No. 1.	Size, 23 x 36 inch, 2 1/4 inch deep, inside; capacity, 50 lbs.,		\$10.00	\$6.50
No. 2.	" 20 x 36 " 2 1/2 " " " " 30 "		8.00	5.50
No. 3.	" 17 x 27 " 2 1/2 " " " " 20 "		7.00	5.00
No. 4.	" 14 x 23 " 2 1/2 " " " " 10 "		6.00	4.25

Three pounds can be worked in any of the above machines, as well as a larger quantity. In buying a machine you should choose a size that will work the largest quantity that you will be likely to want to work at a time.



Butter Tubs.

We are in a position to furnish Superior Spruce Butter Tubs, in any quantity desired.

Our Tubs are kept in stock in 10, 20, 30 and 50 lb. sizes, and shipments can be promptly made.

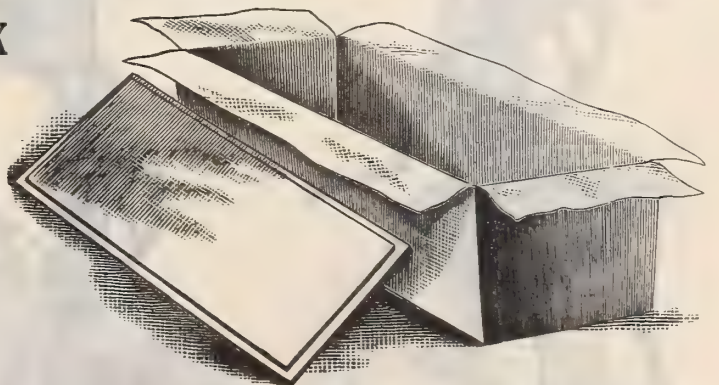
Special Prices for large quantities.

Write for quotations.

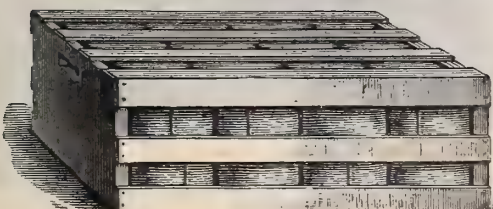
Dumas Improved Butter Box

With Parchment Lining.

The box holds five pounds of packed butter, is nearly brick shape, flaring so the butter will turn out and is in the best possible shape to cut up for the table in square like prints, and free from waste. Send for prices.

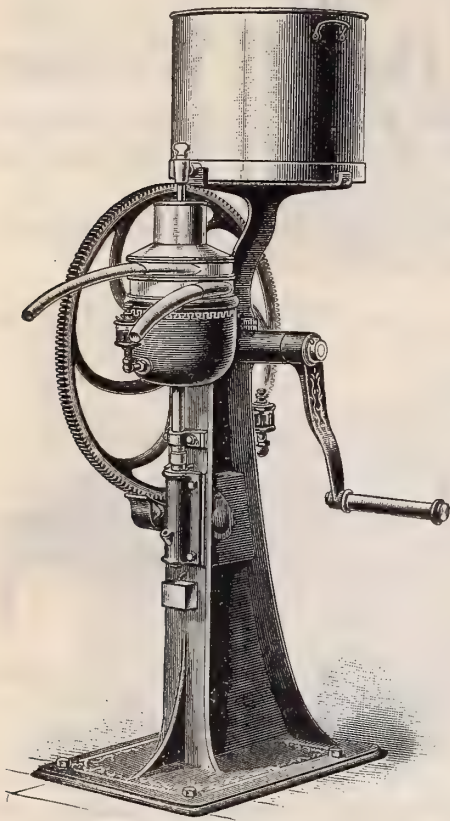


BLANCHARD BUTTER BOXES.



This is a round, firm, clean, handsome and cheap package in which to send butter to market. The wood from which it is made is thoroughly steamed before working, which makes it as nearly odorless and tasteless as possible.

SEND FOR PRICES.



BABY SEPARATOR No. 3.

The De Laval Separator.

What this Cream Separator
will do for you.

Save 10 to 50% in skimming.

Save 5% to 10% in churning.

Increased butter value 5% to 50%.

Save time and labor.

Save ice and water.

Insure purity of product.

Give a much superior cream.

Give cream of any desired density.

Give warm, fresh, sweet skim-milk.

Do away with taints and odors.

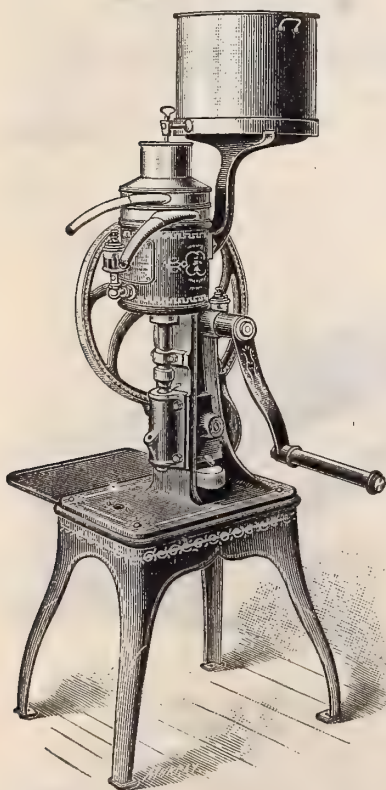
Enhance keeping qualities.

Save women's and house-work.

Save one-half time in churning.

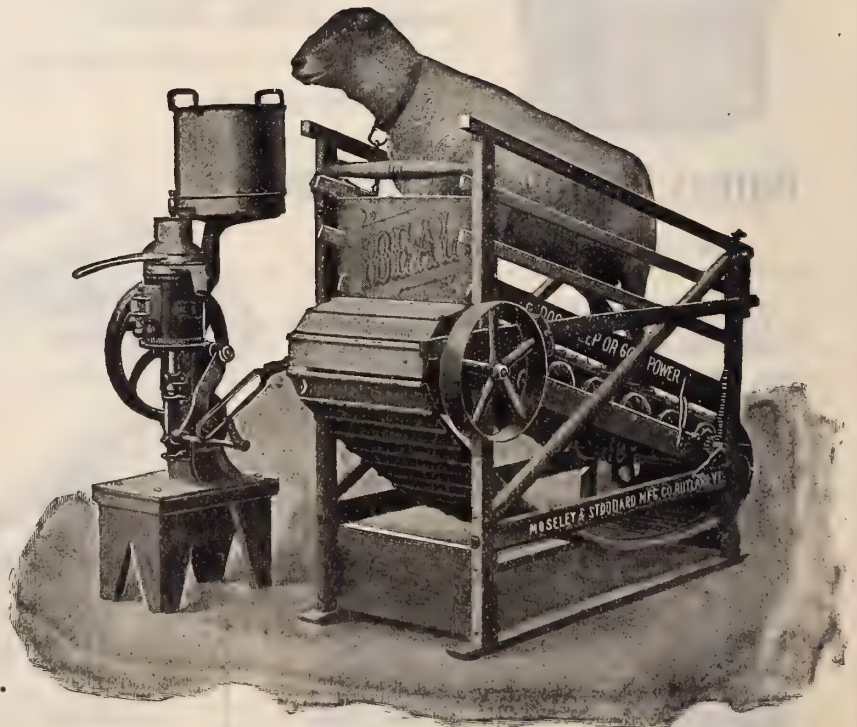
SAVE in actual cash results alone at least \$10 per cow
per year and make your dairy-work a source of profit
and satisfaction instead of drudgery.

Send for Descriptive Catalogue and Price List.



BABY SEPARATOR No. 1.

DOG POWER *and* CREAM SEPARATOR.



A dog, goat or sheep, weighing from 85 to 125 lbs., is sufficient to run the various sizes of De Laval Separators. These powers are guaranteed to give entire satisfaction.

Milk or Cream Bottles.

Does it ever occur to you that you should investigate the source of your milk supply and the process by which it is handled and delivered?

If so you will refuse to receive milk in any other vessel than **GLASS BOTTLES**.

It is the only way by which you can get milk that has not come in contact with the numberless street odors, flies and many other undesirable influence.

"THE COMMON SENSE" BOTTLE, capped by a sweet ligneous cap, is the best bottle, and no taint is possible in milk put up in these bottles.



	Per Dozen.
1 Half-Pint, Common Sense,	\$.50
1 Pint, Common Sense,	.60
1 Quart, Common Sense,	.75
2 Quart, Common Sense,	1.25
1 Half-Pint, Lightning, (Tin Top,)	.60
1 Pint, Lightning, "	.70
1 Quart, Lightning, "	.85
2 Quart, Lightning, "	1.35
Gross price quoted on application.	

Milk Bottle Caps.

No. 1 and 2 "Star" in Cases of 5,000, \$1.25 per Case.
 No. 1 and 2 "Boston" in Cases of 5,000, \$1.10 per Case.
 No. 1 and 2 "Health" in Cases of 5,000, \$2.00 per Case.

Milk or Cream Bottle Cases.

The Case is designed to put the bottles in when filled with milk for delivery. The rack inside is removable for the purpose of cleaning.

Quart Case, holding 12 Quart Bottles, 35 cents.

Lactometer, (Fig. 91) for testing the quality of Milk,	40 Cts.
Floating Dairy Thermometer, (Fig. 93,)	20 Cts.
Standard Floating Dairy Thermometer, (Fig. 94.)	50 Cts.
Flange Dairy Thermometer,	15 Cts.
Cream Test Tubes,	30 Cts.

If sent by Mail add Five Cents for Postage.



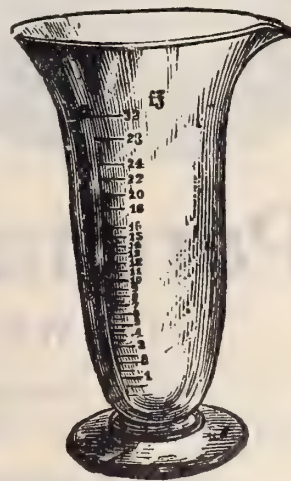
Fig. 91.



Fig. 93.



Fig. 94.

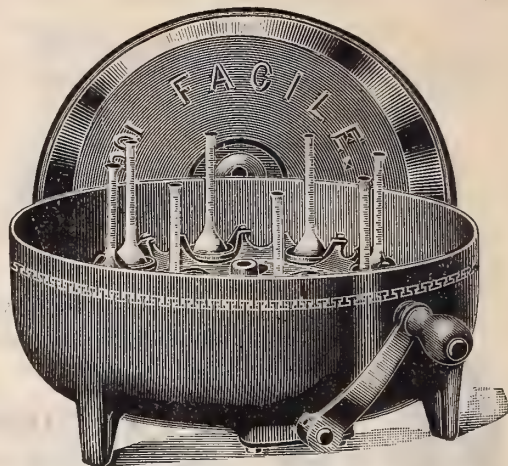


Graduate.

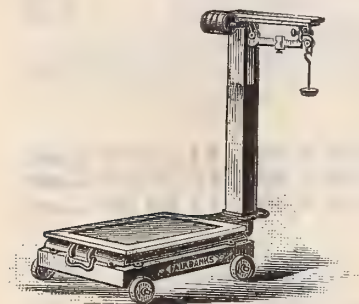
THE "FACILE" Improved Babcock Milk Tester.

The day for cheap, poorly made Babcock Testers has gone by, and a demand has now sprung up for a substantial and durable machine. It is for this reason that the "Facile" has been placed on the market, and no expense has been spared to make it complete in every way.

Write for Circular and Price List.

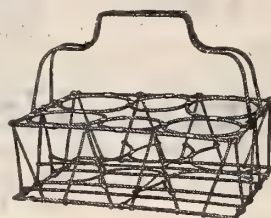


	EACH.		EACH.
Babcock's Test Bottles, (for Milk)	30c.	2 OZ. GRADUATES,	30c.
Babcock's Test Bottles, (for Cream)	35c.	4 OZ. GRADUATES,	40c.
PIPETTES	25c.	6 OZ. GRADUATES,	50c.
ACID MEASURES	30c.	8 OZ. GRADUATES,	60c.



Dairy Scales

Write for Price List.

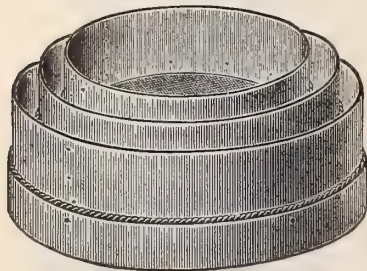


Milk Bottle Carriers.

2 quarts,	each, 50 cents.
4 " "	" 60 "
6 " "	" 65 "

CHATILLON'S IMPROVED Circular Spring Balance Milk Scale.

Weights 60 Lbs. Price, \$3.25 each.



SIEVES.

Hair Sieves, 8 inches,	35 cents.
Hair Sieves, 12 "	50 "
Hair Sieves, 14 "	65 "
Wire Sieves, 12 "	15 "
Wire Sieves, 13 "	20 "
Wire Sieves, 14 "	25 "

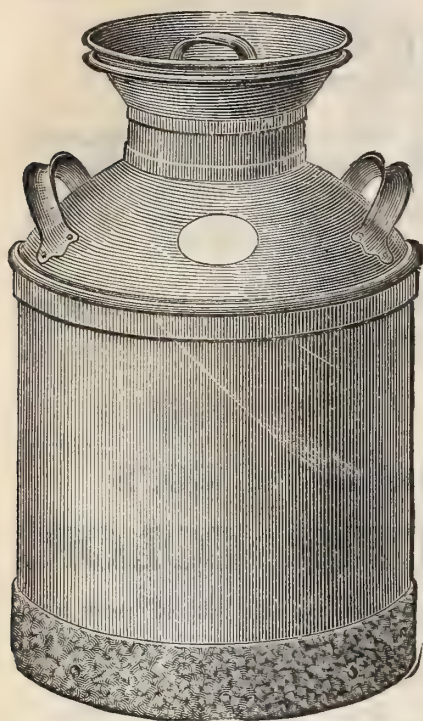
Parchment Butter Paper.

FOR WRAPPING AND COVERING BUTTER.

Better, Cheaper and more
Convenient to use than Ordinary Muslin.

Price, 15c. per pound.

Special quotations for large quantities and printing special designs.



MILK CANS.

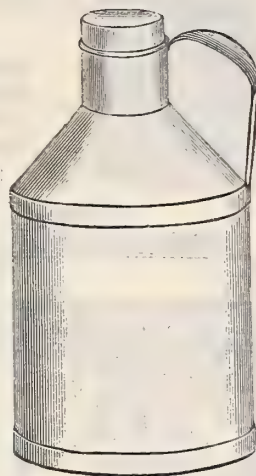


We can furnish Milk Cans in any desired style, size or quantity.

Prices will be furnished on application.

Creamery Cans.

Eclipse,	-	-	\$1.75 each.
Cooley,	-	-	1.75 "
Maine,	-	-	1.25 "

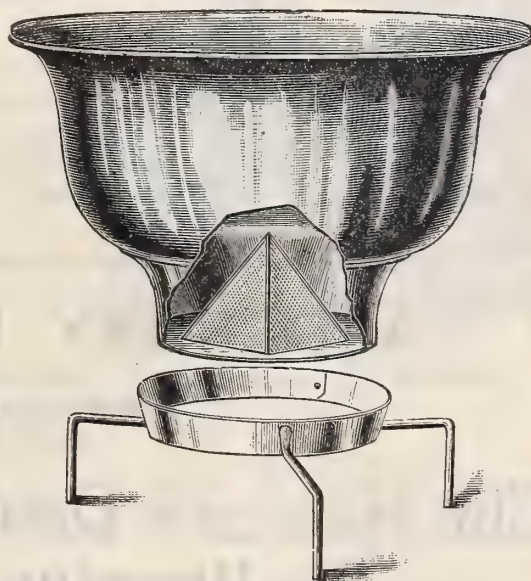


MOORE'S

Pyramidal Milk Strainer.

Most Perfect Milk Strainer ever offered to Dairymen. Can be used on Railroad Cans, Creamery Cans, Small Pans, Factory Cans, etc. Cleans Milk Rapidly, will not Clog, has large straining Surface.

Strainer, with Rest or Funnel,	. . .	\$1.25
Strainer, with Rest and Funnel,	. . .	1.40
Extra Rests or Funnels, each,	. . .	.15



BRUSHES.

We are in a position to furnish the best kind of Brushes for dairy use, and recommend especially our line of Can and Bottle Brushes. These are made of genuine bristle. Write for prices.

PURE PARAFFINE, For Creamery and Dairy use.

BUTTER TRYERS, Nickle Plated, 50c. each.

CHEESE TRYERS, Nickle Plated, 60c. each; Polished Steel, 25c. each,

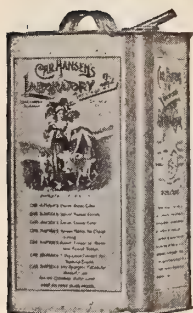
GRAIN AND SEED TRYERS, Nickle Plated, 75c. each.

TUB COVER FASTENERS.

"Leader," 75c. per 1000. "Universal," 85c. per 1000. "Star," per lb. 12c.

Chr. Hansen's Danish Butter Color.

The most Uniform, the Purest and the Most Natural Shade.



Made with the Finest, Imported Vegetable Oil.

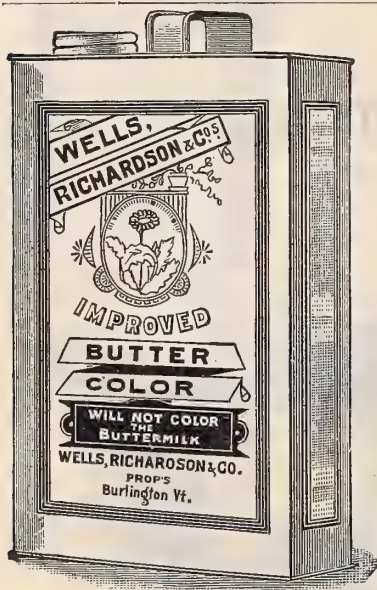
To butter makers desiring a pure, vegetable butter color, we do not hesitate to recommend Hansen's Danish as unquestionably the best in every respect.

Its high quality has never been approached by any competing preparation, and many shippers of the finest butter demand the exclusive use by their butter makers.

PRICE LIST.

Small Size,	which will color about	500 lbs.....	\$.25
Medium Size,	"	1250 lbs.....	.50
Large Size,	"	2800 lbs.....	1.00
Cans,	1 gallon each,		2.35

Special quotations for large quantities.



WELLS, RICHARDSON & CO.'S IMPROVED BUTTER COLOR.

Always gives satisfaction. It is made by the aid of new and improved machinery, specially made for this purpose, thus enabling the manufacturers to use new and improved methods.

It will not become rancid.

It will not color the Buttermilk.

It gives a bright June color.

PRICE LIST.

Small Size,	4 ozs., to color about	500 lbs.....	\$.25
Medium Size,	10 "	1250 "	.50
Large Size,	24 "	2800 "	1.00
Cans,	1 gallon each,		2.25

Special quotations for large quantities.

ALDERNEY BUTTER COLOR.

Does not color the Buttermilk. Does not Fade or turn Rancid. Is free from Sediment.

Standard June Shade.

Price per gal., \$2.00.

Chr. Hansen's Danish Dry Lactic Ferment For Ripening Cream and Milk.

PRICE LIST.

LARGE PACKAGE. —Single Package, by registered mail, prepaid.....	\$2.00
Three packages by express, prepaid, per package.....	1.75
SMALL PACKAGE. —Single package, by registered mail, prepaid.....	.75
Three packages, by registered mail, prepaid, per package.....	.65

Farrington's Alkaline Tablets. For Testing the Acidity of Milk or Cream.

These Tablets have been used successfully as a means by which creamery and dairymen are constantly learning more about their business, and they are a great aid in securing top instead of fair or medium prices for all kinds of dairy products.

100 tablets (postage paid).....	\$.50	Complete outfit consisting of 1000 tablets,	
1000 tablets " ".....	2.00	100 c. c. cylinder and 17.6 c. c. pipette by	
100 c. c. cylinder.....	.95	express.....	\$2.75
17.6 c. c. pipette.....	.20		

Glassware will be sent by express at purchaser's expense.

KOW-KURE

THE GREAT MEDICINE FOR

COWS



ONLY.

Cures scours, removes bunches from the bag, prevents cows from losing their calves, gets barren cows with calf, and makes a strong appetite and perfect digestion that produces a larger flow of richer milk. KOW-KURE has stood the test of ten years and is a complete success.

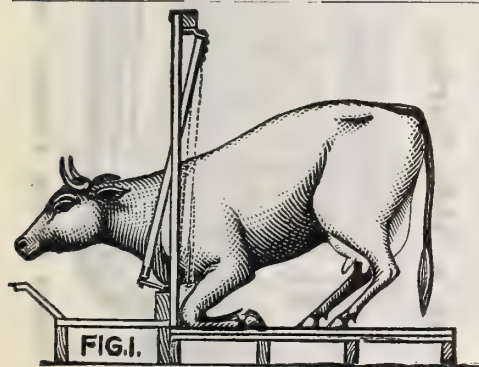
Price 50 cts. and \$1.00.

Small's Calf Feeder.

This is a device by which the calf may be fed away from its dam, and with any mixture of milk, skim milk, warm water, porridge (or whatever else is healthful and desirable) with convenience, and in the natural way with that admixture of saliva which does not occur when calves drink from a pail.

Price \$2.00.

Extra Nipples 25 cents each.



USE PRESCOTT'S
SWIVEL SWINGING STANCHION FOR COW'S COMFORT and CLEANLINESS.

It is easily and quickly opened and automatically locked by closing and in case of fire, it is safe to say, there is no other fastening known with which a barn can be so quickly cleared of stock.

Price, including Lag-Screws.

Swinging Swivel Stanchions,
Plain Swivel Stanchions, (Bull),

\$1.50 each.
2.50

THE GREEN MOUNTAIN SILO.

This is a round silo, the best style in use, as this form overcomes all the defects of the square or rectangular silos.

It is made from the best seasoned spruce and cypress; round iron hoops $\frac{3}{4}$ inch, $\frac{5}{8}$ inch and $\frac{1}{2}$ inch in diameter, and malleable iron lugs.

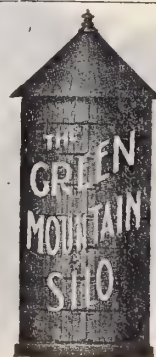
The iron hoops are made in two pieces for the smaller silos, and in three for the larger. These pieces are all threaded on the ends and joined by the iron lugs, making it possible to obtain desired tension, and to allow for all shrinkage and swelling.

Will make the winter's feed nearly equal the green pastures of the summer.

Will save storage room and prevent waste.

Will produce the best milk and butter, and add to the profit of each cow in the herd.

Write for Catalogue and Price List.



Pray's Patent Ice Plow.

This plow is especially designed to meet the demand for a cheap and efficient ice cutter for farmers and dairymen. It will cut from 20 to 40 tons an hour, cutting the ice blocks of uniform size, which saves much labor when packing.

The Superiority of Pray's Ice Plow.

1st. It is the only plow that has a seat. The extra weight of the rider holds the plow to its work and allows the horse to be hitched much closer to the plow. An advantage where the pond is small and all the ice needed from the edge of the pond.

2nd. It is the only plow that can be successfully used by one person. The draft back of runners omits the necessity of leader or rider.

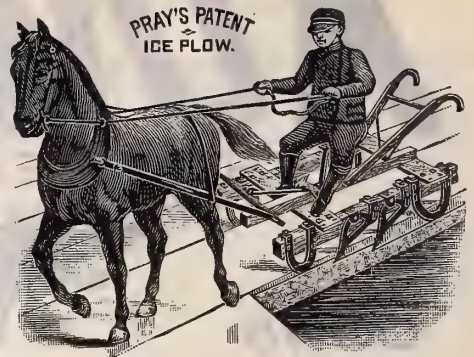
3d. It is the only plow that has an adjustable tooth.

4th. It is the only plow that works with runners.

5th. It turns easier at the end of the row than any other plow.

6th. It cuts ice with more economy on a small pond than any other plow.

Upon a shallow pond where a saw cannot be used this plow is indispensable. A horse and one man can cut as much ice as ten men with saws.



WARRANTED TO WORK AS REPRESENTED.

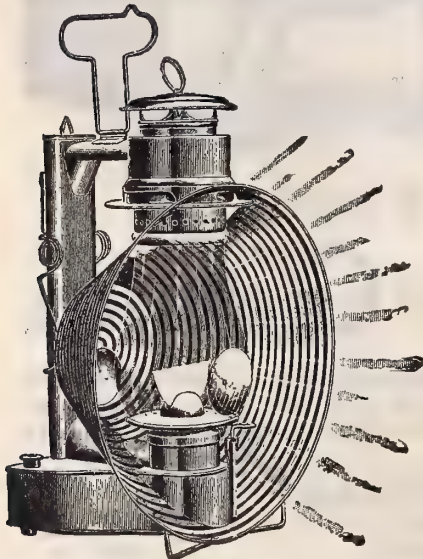
Price, Four-Tooth Plow, 12.00. Price, Six-Tooth Plow, \$16.00 Price, Eight-Tooth Plow, \$17.00.

Write for Price List of Ice Tools.

Ham's Tubular "Search Light" Lantern.

Reflector, 12 inches diameter, 7 inches deep.

No. 2 Burner, One in. Wick, Finished in Blue Japan.

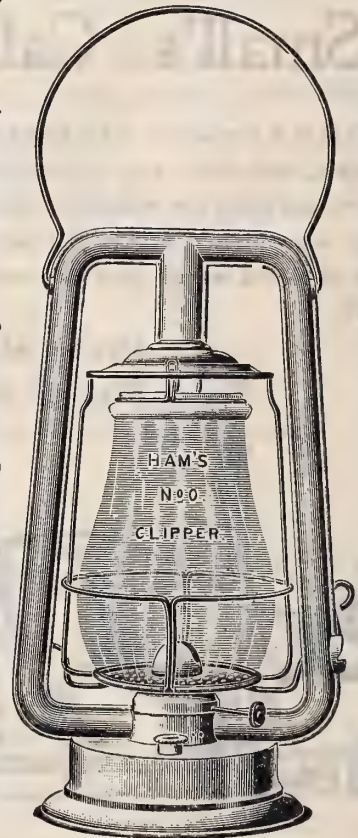


Just the Lamp you want where a strong light is required and to be spread over a large space, as in creameries, stables, saw and planing mills, warehouses, packing houses, workshop, picnic grounds, lawns, summer resorts, etc. The lamp throws a brilliant and steady light, and will burn as well out of doors as inside, without smoking or flickering, and is not affected by the wind or strong drafts.

PRICE, \$1.50 EACH.

We have in stock a full line of all the leading Lanterns. Prices furnished on application.

Ham's Side Spring Safety Lantern.



Burner Cone Securely Locked. Always Works Easily.



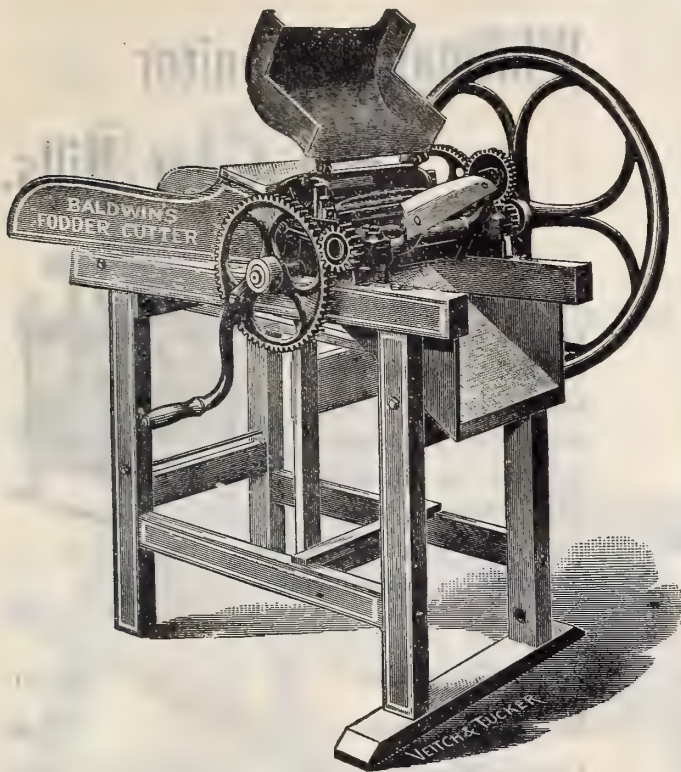
Rice's Calf Weaner.

For preventing calves and cows sucking themselves or each other.

No. 1, for Calves, 30c. ; by mail, 35c.

No. 2, for Heifers, 50c. ; by mail, 56c.

No. 3, for Cows, 75c. ; by mail, 85c.



Baldwin's Ensilage ^{AND} Fodder Cutters.

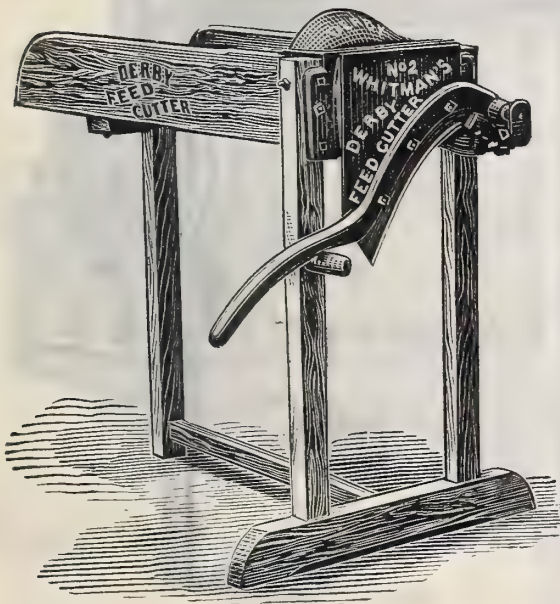
MADE IN 12 SIZES.

Everywhere recognized as a standard machine and sold by the leading trade throughout the country.

The only really successful machine made for light power, and one which is easy to feed, easy to keep in order, and is very durable.

Cuts with great rapidity, Hay, Straw, Corn, Stalks, Ensilage, etc. Guaranteed to give satisfaction. Send for Circular and Price List.

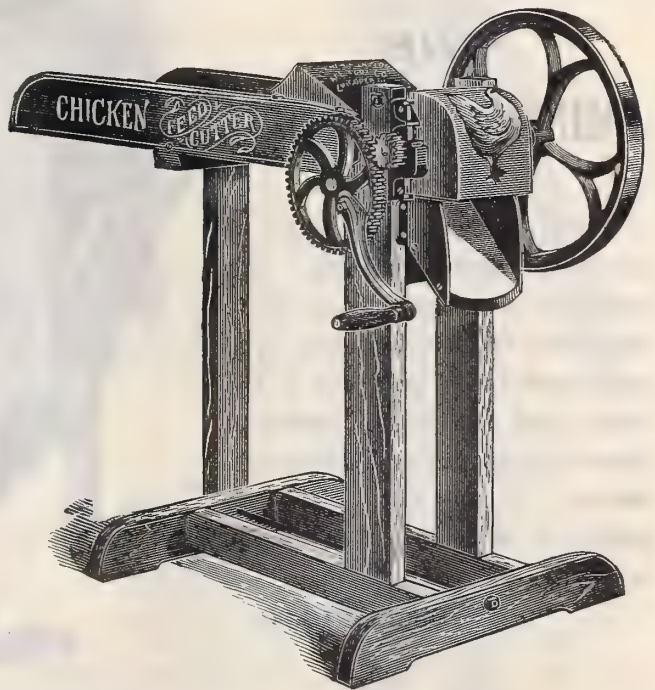
DERBY FEED CUTTERS.



This Iron Handle Lever Cutter is so simple and easy to work, as to commend it to everybody who has but a moderate amount of stock to feed. The knife is easy to adjust, grind and keep in repair.

Price from \$3.00 to \$6.00.

CHICKEN FEED CUTTER.



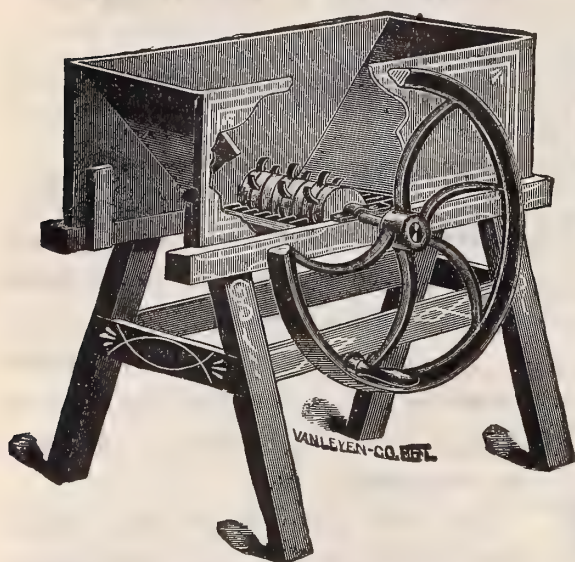
INVALUABLE TO POULTRY RAISERS.

This is a highly efficient machine for cutting clover, hay or other feed into extremely short lengths. It is made with three knives $6\frac{1}{4}$ inches long, and a Self-Feeding Comb Roller which straightens the feed as it is presented to the knives, making a more uniform length of cut. It cuts very rapidly, being one of the fastest machines of its size now upon the market.

Cuts 1-4, 7-16, and 3-4 inches.

Price, \$15.00.

Champion Root Cutter.



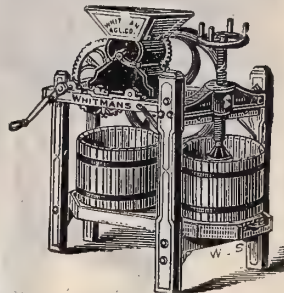
This well known root or vegetable Cutter has been on the market for many years and is too well known to need further description. It is well made of good material.

Price, \$6.00.

Whitman's Monitor

Cider Mills.

Several improvements have been added such as New Hopper, the Rolls made longer and larger in diameter. New Adjustable Crusher or Breaker Roll, which increases the capacity, grinds the fruit coarse or fine as the grinders are adjustable.

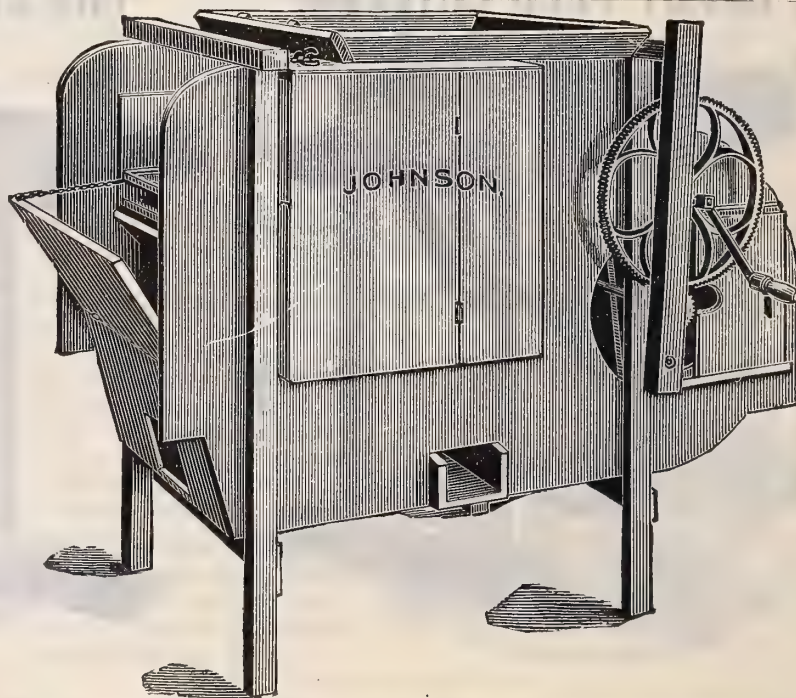


Senior Monitor,	. . .	\$20.00
Medium Monitor,	. . .	17.00
Junior Monitor,	. . .	13.00

THE JOHNSON FAN MILL.

A Fan Mill is indispensable to a well regulated Grain Barn. This mill runs the sound, clean grain to one side of the Mill, while the sand and small seeds pass out at the other, and the heavy chaff and heads are caught in a receptacle behind. It will not only clean grain, but also grass seeds in the best manner.

Price, \$16.00.



CLOUGH'S ADJUSTABLE SIEVE.

In offering this Adjustable Sieve to farmers and others, we know that they will find it useful and valuable for separating foul seeds from grain, and sifting out the small grain, thereby getting the most vigorous kernels for feed; also for cleaning and sorting Beans, Peas, etc.

Price, \$2.00.





GRINDSTONES.

With Treadle and Crank to work either by hand or foot

Strong, durable frames.

No. 1.	Samson, Price,	\$3.50
No. 2.	" "	3.25
No. 3.	" "	3.00
No. 6.	Hercules, "	8.00

—ALSO—

Unmounted Stones all sizes and weights.

Pine and Cucumber Wood PUMPS.

Pump Curbs, Pump Fixtures, Tubing, Chain and Rubber Buckets.

In ordering Rubber Bucket Pumps give depth of well from surface of ground, and add two feet for pipe and five feet for chain.



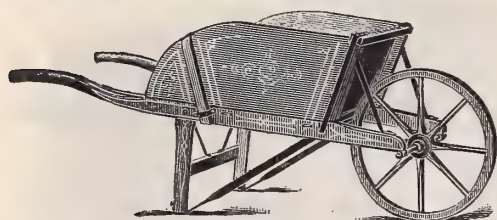
Keystone Post Auger.

Guaranteed to do three times the work of any other Auger on the market.

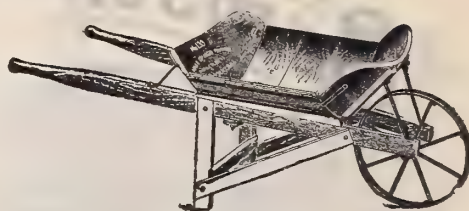
Price, \$1.75 each.



WHEELBARROWS.



GARDEN BARROW.



CANAL BARROW.



STEEL TUBULAR BARROW.

GARDEN BARROWS.

Prices from \$2.50 to \$4.00.

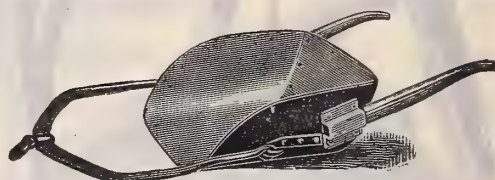
CANAL BARROWS.

—PRICES—

Wood Tray,	\$1.50 and 2.00
Steel Tray, No. 10,	3.50
All Steel,	6.00

Steel Road Scrapers.

No. 1, Price,	\$7.00
No. 2, " "	6.50
No. 3, " "	6.00



STEEL ROAD SCRAPER.

IRON

GARDEN AND LAWN ROLLERS.



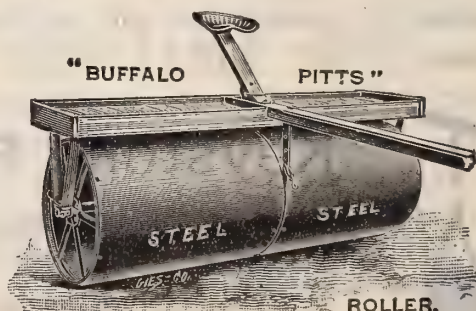
Sections each.	Inches long.	Inches diam.	Weight about.	Price.
2	7½	15	125 lbs.	\$ 6.50
3	7½	15	190 "	8.50
1	12	20	165 "	8.00
1	12	24	210 "	10.00
2	12	20	300 "	14.00
2	12	24	400 "	18.00

"BUFFALO PITTS" TWO-SECTION STEEL, LAND ROLLERS.

26 inches diameter, 7 feet 6 inches long,
Price, \$26.00.

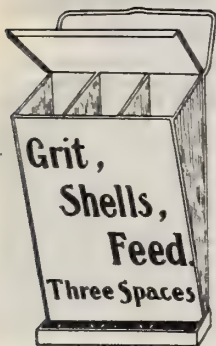
WHITMAN'S - THREE - SECTION.

24 inches diameter, \$22.00



ROLLER.

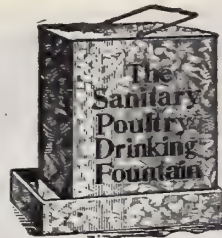
"Sanitary" Galvanized Iron Poultry Specialties.



"SANITARY" Self-Feeding Box, Called Grit Box for Short.

Three spaces. Made of heavy Galvanized Iron. Will last a Lifetime. Saves waste. Hangs on a nail. Holds four quarts. Soon pays for itself. Neat, cheap and convenient.

Price, 50 cents.



The "Sanitary" Poultry Drinking Fountain.

Made of heavy galvanized iron, perfect in workmanship, most convenient fountain on the market.

A one gallon fountain will supply twenty fowls.

Price, 1 gallon, 50c. 2 gallons, 85c.

ABSOLUTELY POULTRY PROOF.



The pan is 6 inches wide, 18 long, and about 3 deep, made in one piece from galvanized iron. Will not rust, and is water-tight. The food saved soon pays the cost.

Price, \$1.00.

FEED PANS.



No. 1, 6 x 7 x 1¼ deep, capacity 1 quart.

Price 15 cents.

No. 2, 7¼ x 8½ x 1½ deep, capacity 1½ qts.

Price 20 cents.

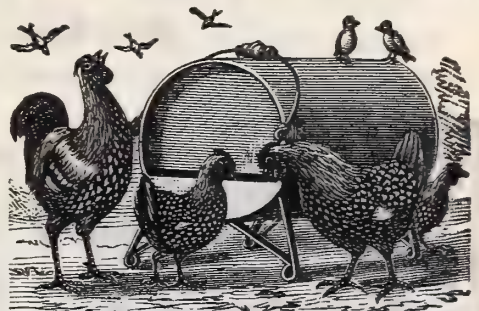
No. 3, 18 x 6 x 2¾ deep, capacity 5 quarts.

Price 35 cents.

Climax Drinking Fountain. FOR POULTRY.

Convenient to fill and empty as a water pail. Chicks will not get drowned in it. Keeps water cool and fresh. Will not injure by freezing. Made of best galvanized iron.

1 Gallon Size Price, \$.90
2 " " " 1.00



Mann's Bone Cutters.

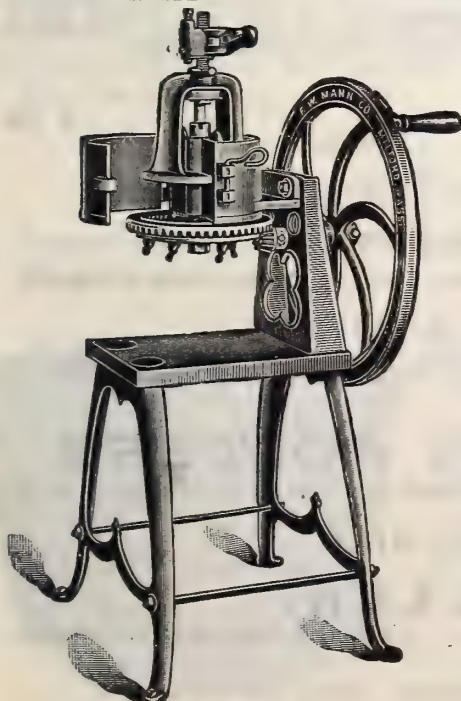
The Standard of Excellence.

A STANDARD WHICH HAS ONLY BEEN OBTAINED BY YEARS OF EXPERIENCE.

PRICE LIST.

NO DISCOUNT FROM THESE PRICES.

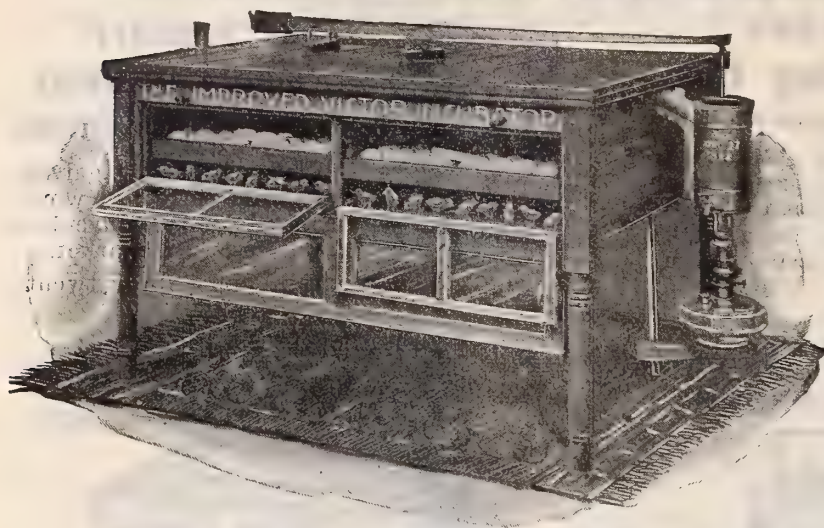
No. 5C,	(with Crank Handle)	\$ 6.00
No. 5B,	(with Balance Wheel)	8.00
No. 5BM,	(with Bal. Wheel and Iron Stand)	10.40
No. 7,	(with Balance Wheel)	12.00
No. 9,	(Standard Bone Cutter)	18.40
No. 11,	(Combination Power Cutter)	26.00
No. 12,	(Small Power Cutter)	30.00
No. 15,	(Large Power Cutter)	60.00
No. 14,	(Large Power Cutter)	76.00
No. 16,	(Made to Order)	225.00



No. 9. Weight 163 Lbs.

Illustrated Catalogue Free.

THE IMPROVED VICTOR INCUBATOR.



Copper Tank, Heater and Flues.

ABSOLUTELY SELF-REGULATING.

The minimum of attention and trouble keeps it in operation and insures the maximum of results. Yet it is a paragon of simplicity. Without complicated or fragile attachments, it can be made and sold at a price much lower than that asked for machines far inferior to it in practical advantages. Being constructed from the best hard wood, with double walls, non-conducting paper, and the heat-reserving air space, the Improved Victor has proven itself a phenomenal success.

THE VICTOR BROODER.

This Brooder is constructed in such a way as to protect and properly care for its charge in all kinds of weather, and it is made of the very best material throughout.

Write for catalogue and price list.

BOWKER'S ANIMAL MEAL,

BRADLEY'S MEAT MEAL,

Ground Beef Scraps,

Bone Meal,

Cracked Chicken Bone,

Ground Oyster Shell,

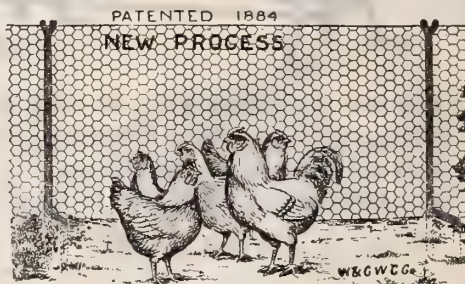
Mica Crystal Grit,

Sunflower Seed,

Clover Meal,

Cut Clover Hay,

Nest Eggs.



HARD STEEL WIRE
POULTRY NETTING.



PROLIFIC POULTRY FOOD.

Will Make Hens Lay in Fall or Winter.

Profitable Feed at all Seasons of the Year.

The secret of getting eggs lies in supplying the hen with proper material. This is just what Prolific Poultry Food will do. It supplies all the Egg Shell and Flesh forming material necessary, and it stimulates nature to convert this material into eggs. It is not expensive as one pound will last a dozen hens a month, and repays many times its cost.

PRICES.

1 lb. Package.....\$.25 2 1/4 lb. Package.....\$.50
5 lb. Package.....\$1.00

PRATT'S POULTRY FOOD.

CURES CHICKEN CHOLERA.

Makes Hens Lay Regularly, and Insures Healthy Flocks of Chickens, Turkeys, Ducks, Geese & Pigeons.

A POULTRY REGULATOR.

Packed in 26 oz. trial packages, 25c.; 5 lb. packages, 60c.; also in large sacks, \$1.25 and \$2.50 per sack.

SHERIDAN'S CONDITION POWDERS.

Strictly a medicine—not a feed. A valuable cure for diseases in Horses, Cattle, Sheep, Hogs and Poultry.

Small Size, 25 cents. Large Size, \$1.00.

LEE'S LICE KILLER.

Saves labor, saves expense, saves time, and saves the fowls. All that is necessary is to paint, sprinkle or spray it on the roost-boards and the job is done.

35 cts. per qt.; 60 cts. per half gal.; \$1.00 per gallon. Write for circular.

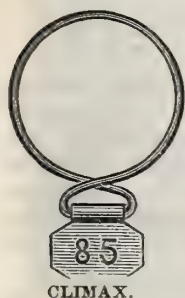


"K. & W." EGG CASES.

The Most Popular Egg Case in the Market and used largely by shippers of Eggs.

PRICES COMPLETE.

8 dozen.....	\$.65
15 ".....	.85
30 ".....	1.10
49 ".....	1.25
56 ".....	1.35



CLIMAX.

DECKER'S NOVELTY LEG BANDS FOR POULTRY AND PIGEONS.

These bands are neat, easily applied, easily removed, cannot come off by accident and they give a large surface for letters or numbers.

In ordering state what breed they are for, and what letters or numbers you wish put on them.

Price 25c. per dozen. 40c. for two dozen. \$1.25 per hundred.

Climax Leg Bands. They are neat, light, easy to put on or removed without tools, and will stay on.
\$1.00 per hundred.



NOVELTY.

AMERICAN FIELD AND HOG FENCING.

The most efficient, durable, and satisfactory Wire Fencing in use.

Readily adjusted to all surfaces. Smooth, elastic, and cannot injure stock. No waste material in construction, of strength much greater than necessary for ordinary requirements, and fully equal to all possible.

Write for descriptive Catalogue and Price List.

TRUSS WIRE FENCING.

Handsome, braided wire fencing, in two sizes, 2 in. and 4 in. in width.

With this wire it is possible to construct a fence, about the dwellings, as well as in the fields and pastures, which will be strong and secure, more lasting than common wire, and more satisfactory, especially about the buildings.

Write for quotations.

BARBED, AND PLAIN TWISTED WIRE.

Best galvanized steel wire, in quantities to suit all customers.

Write for quotations.



"Iron Clad" Steel Bushel Baskets.

These baskets are made of cold rolled steel, drawn from one piece, and furnished with malleable iron handles. Aside from the general usage of baskets, the heavy "Iron Clad" will be found by farmers, especially, a very useful vessel for the purpose of boiling liquids or cooking food for stock.

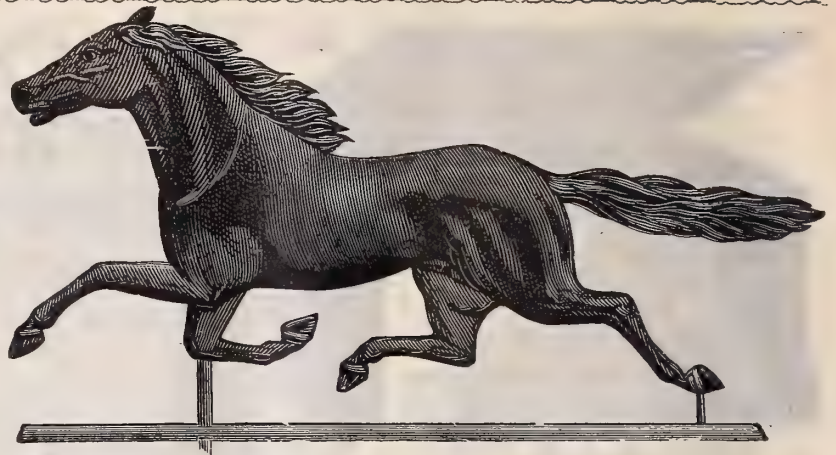
PRICE—1 Bush. Galvanized, 75 cts.

1 Bush. Ex. Heavy, \$1.50.

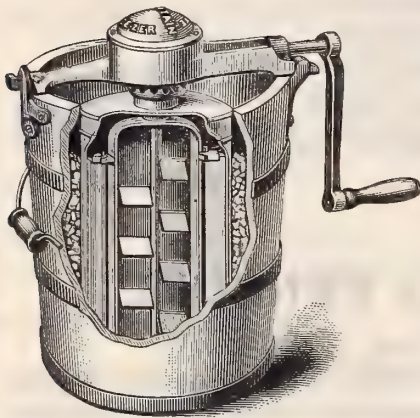
Weather Vanes.

Our Vanes are made of Copper and gilded with 23 Carat Gold Leaf, which will remain bright for years.

Descriptive Circular and Price List on application.



White Mountain Ice Cream Freezers.



Perfected by the introduction of a new and important feature of a *double self-adjusting wood scraping bar* attached to the duplex dasher, that has always been used exclusively in this freezer. By means of this device the actual time of freezing cream has been very materially reduced and with the White Mountain Freezer as at present constructed, cream of the finest quality can be frozen *in only four minutes*, or less than one-half the time required with any other freezer on the market.

	PRICES.
1 quart.....	\$ 1.35
2 quarts.....	1.85
3 ".....	2.15
4 ".....	2.50
6 ".....	3.25
8 ".....	4.25
10 ".....	5.50
12 ".....	7.00
15 ".....	8.50
20 ".....	11.00
25 ".....	14.00

We also have in stock, Peerless Iceland, Gem, Lightning and Arctic Freezers.

FREEZER CLAMP OR HOLDER.

A perfect device for holding the freezer firm and steady. Easily adjusted to the tub, by means of thumb nuts. Price, 2 to 8 qts., 30 cts.; 12 to 25 qts., 40 cts. each.

An Illustrated Catalogue of Power and Fly-Wheel, Freezers, Repairs, and Tubs and Cans for Packing purposes, furnished on application.

Advance Clothes Dryers.

THE BEST CLOTHES DRYER IN USE.

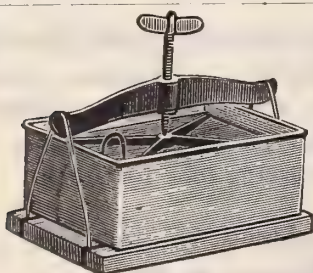
No. 1, 120 ft. line, Each, \$2.50

No. 2, 160 " " 2.75



Empire and United States Folding Wall Dryers.

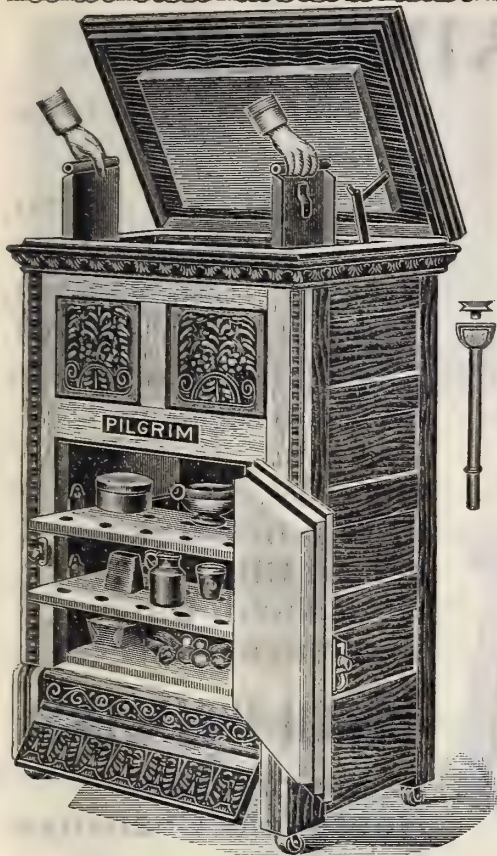
Price, 50 Cents.



Standard Kitchen Press.

For Pressing Meats, Corned Beef, Leaf Lard, Dutch Cheese, Fruit, Wines, Jellies, Vegetables, Hops, Herbs, etc., this is the *Simplest and Best Press on the Market.*

Price, \$1.25 each.



PILGRIM REFRIGERATOR.

The Lightning and Michigan ROTARY WASHERS.

This Lightning is constructed of the Best Virginia White Cedar, and is strong, and finely constructed.

Is supplied with improved gearing, and all Castings are Japanned. The inside of the machine is fully corrugated, similar to a washboard, there being no nails or blocks of any kind on the inside. The hoops are made of extra-heavy galvanized wire, are Electric Welded, and warranted not to break or fall off.

Price, \$4.00.

The Rotary is simple, strong, easy-running and noiseless, the rotary motion being continuous, and the fly wheel heavy, very little power is required to operate the machine.

Price, \$6.00.

THE "PILGRIM"

Refrigerators and Ice Chests.

Thoroughly constructed from hard wood, and beautifully finished. Cleanable and perfectly sanitary. The economy of ice is a very important consideration, and the consumption of ice will be much smaller in our refrigerators, than in many others, and at the same time insure a low and even temperature, and perfect Circulation of cold, dry air.

GROCERS' REFRIGERATORS A SPECIALTY.

Send for Illustrated Catalogue and Price List of Refrigerators.



The Universal Food Chopper.

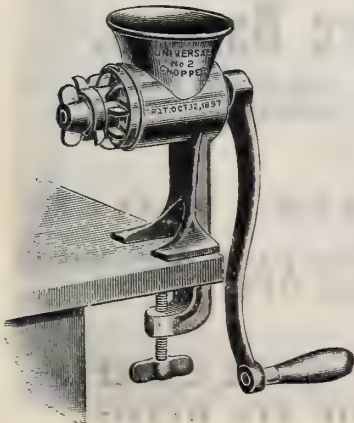
All Parts Tinned and Interchangeable.

CHOPS RAPIDLY AND WITHOUT MASHING,

and in pieces as fine or coarse as wanted, meat, apples, citron, figs, raisins, etc., for mince pies; vegetable, meat, chicken, turkey, etc., for hash; cabbage, carrots, celery, onions, parsley, etc., for soups; clams, fish, pork, vegetables, etc., for chowder; corn, clams, oysters, etc., for fritters; bread, cake, giblets, meat, etc., for stuffing; lobsters, veal, chicken, turkey, celery, cabbage, etc., for salads; ham, chicken, tongue, veal, beef, eggs, cheese, sardines, etc., for sandwiches. No. 1, \$1.25; No. 2, \$1.50; No. 3, \$1.75.

STUFFING ATTACHMENT.

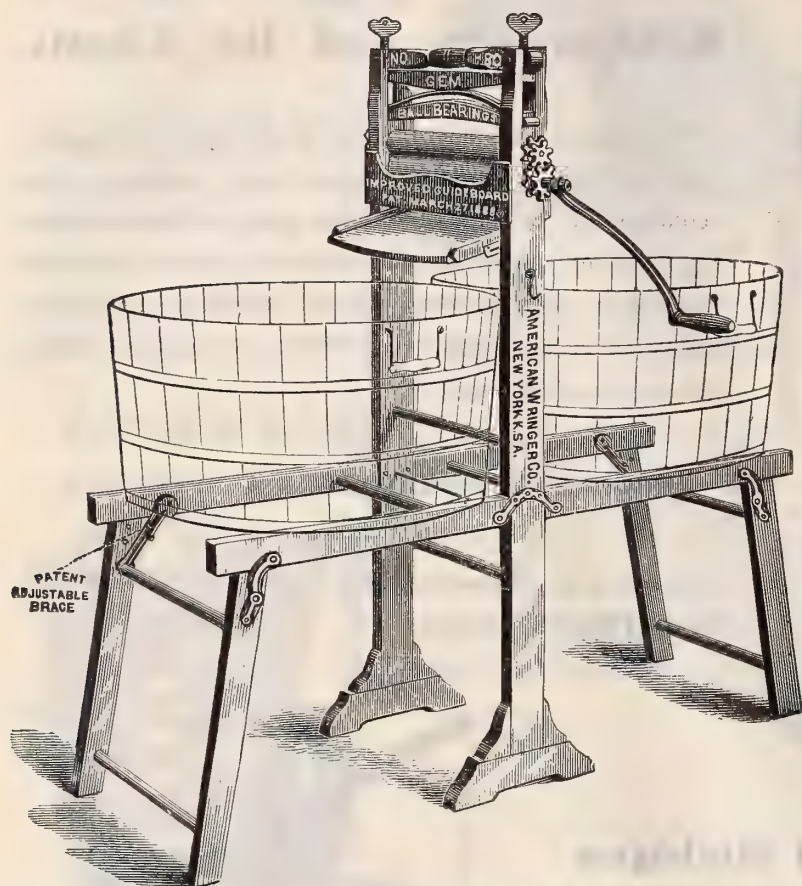
Attention is called to the new stuffing attachment for the Universal Food Chopper as shown in the illustration. The stuffing attachment is made of one piece of seamless brass tubing, spun into the shape required, heavily nickel plated and finely finished. A thread on the end of the barrel of the machine fits in the end of the stuffing attachment. Price, 30 cts. each.



No. 2
Medium Family Size.



CLOTHES WRINGERS.



We carry in stock the following kinds:

Universal, Nos. 350, 351, 352, 355, 380, 381, 382.

Novelty, Nos. 350, 351, 380, 381.

Royal, (warranted for five years,) No. 14, 18.

Portland,
"K. & W." Special,
Paragon, Eureka,
Forest City,
Household, Daisy,
Challenge, Star.

BENCH WRINGERS.

Excelsior, Gem,
Household, Challenge,
Falcon.

All kinds of Wringers
Repaired.

CAGES. Also, PARROT AND SQUIRREL CAGES.

CAGE FIXTURES, SEEDS AND SUNDRIES.

CANARY SEED, RAPE, MILLET, HEMP, RICE, SUNFLOWER AND CUTTLE FISH.

"K. & W." Prepared Mixed Canary Seed, Gravel, Song Restorer, Bird Manna, and Mocking Bird Food.
CAGE SPRINGS, CUPS, HOOKS, LADDER CHAINS AND WIRE GUARD CLOTH.

White's Patent Mop Wringer.

Will Quickly Wring a Mop perfectly dry, without TOUCHING MOP with the hands.

In wringing the mop, press it, *iron and all*, firmly down into the Wringer, then press down the handle firmly, and the weight of the shoulders will do the work.

Price: Family Size, \$1.50; Hotel Size, \$2.00.



The "Oxford" Ash Stave Baskets.

One of the smoothest, strongest, and best baskets for farmers and grocers. Made in every size from $\frac{1}{4}$ bushel to 4 bushels.

ALSO A SPECIALTY IN
OBLONG CLOTHES and
CORN PACKER'S BASKETS.

BASKETS.

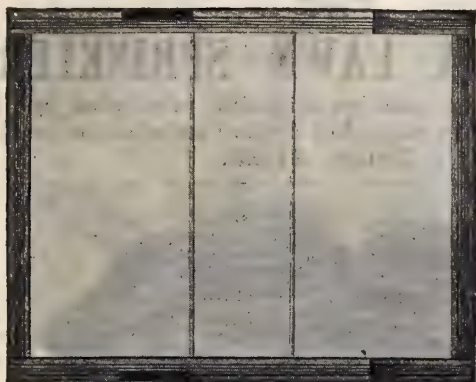
Every Style and Size for FACTORY, MILL,
STORE, FARM and OFFICE. Write for
Quotations.

TUBS, PAILS, BROOMS AND BRUSHES, AND A LARGE VARIETY OF WOODEN WARE OF ALL KINDS.

All Orders Promptly Executed.

HIGH GRADE

Screen Doors, AND ADJUSTABLE WINDOW SCREENS.

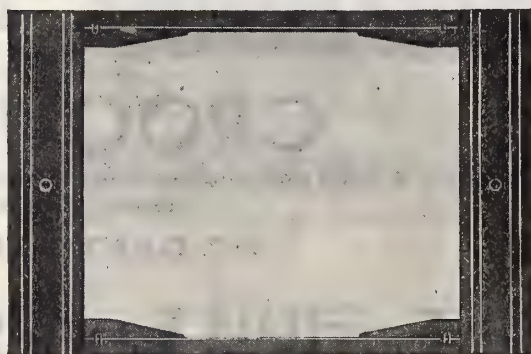


Hummer Screen.

Finely made and fly tight, with tops and bottoms bevelled to fit sash and sill.

Best and most popular screens in the market.

Write for Catalogue and Price List of all Screens and Doors.



Way's Extension Screen.



No. 812 Door.

ORNAMENTAL

High Grade

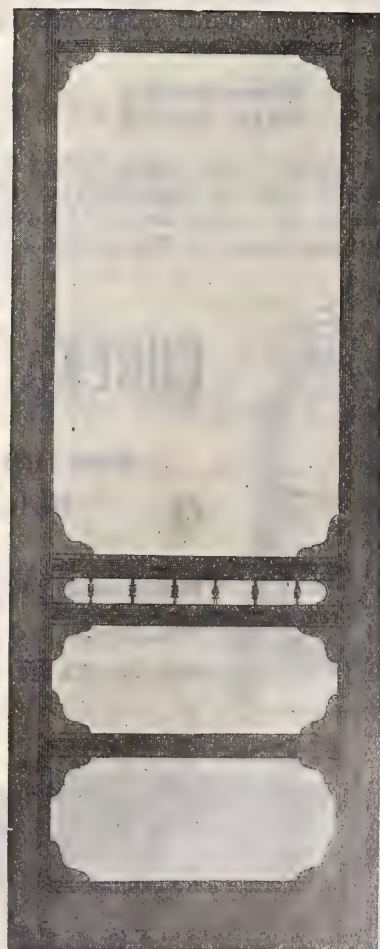
DOORS

made from choice stock.

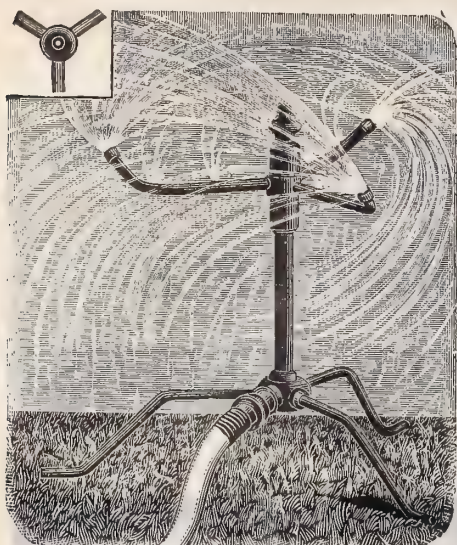
Furnished in all standard sizes, and finished in oil and Coach Varnish; all joints smoothed, and frame polished after assembling.

No. 4 Door

finished in Walnut Stain.



No. 44 Door.



THE CALIFORNIA LAWN SPRINKLER.

This Sprinkler is made on scientific principles, and is not made simply to SELL, but to give satisfaction to the consumers.

Price, \$1.25.



GARDEN AND LAWN HOSE.

High Grade Rubber and Cotton Hose.

CROQUET SETS.

We carry a complete assortment, manufactured from selected hard wood, handsomely painted and varnished.

90 CENTS TO \$3.00 PER SET.

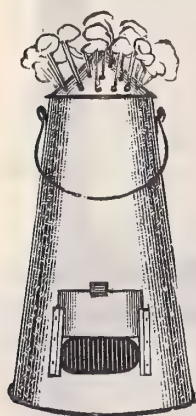
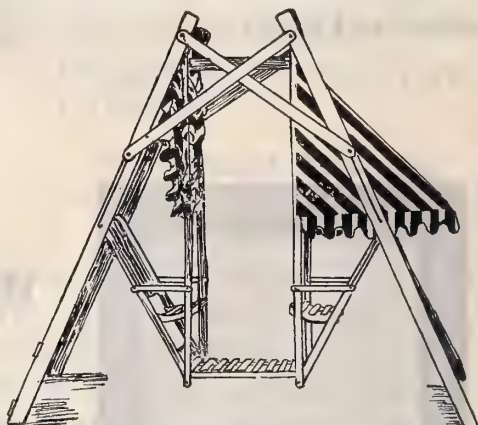
The Fairfield Lawn Swing.

This swing easily takes precedence over all others in the market. Made of clear Mountain Spruce. Mechanical Perfection, Durability and ease of operation are combined in its construction.

No. 2. Lawn Swing.....\$ 4.50
No. 3. Park Swing.....10.00

Leavitt's Patent Lawn Swing Awning. Confined to frame of Chair and swings with it, giving shade at all times. Folds up when not required for use. Folds up with frame when put away for the winter.

Price, \$4.50



EUREKA FUMIGATORS.

For Fumigating with Tobacco Stems.

No. 1—12 in. high, \$1.50
No. 2—16 in. high, 2.00
No. 3—20 in. high, 2.50



LITTLE GIANT GRASS HOOK

BEST IN THE WORLD.

Price 40 cts.

Also Patented in U. S.

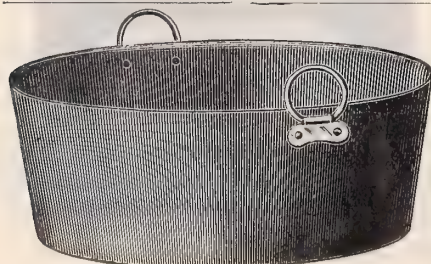
Feb. 13, 1900.

June 26, 1900.

Jan. 1, 1901.

In Canada,

May 22, 1900

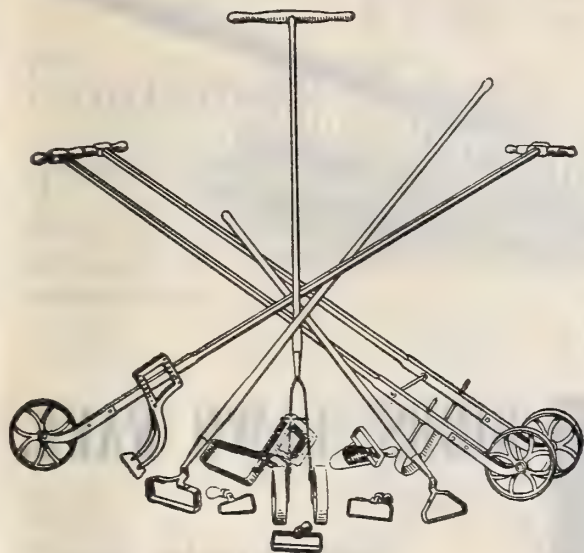


Indurated Fibre Ware.

Pails, Tubs, Kettles, Foot Baths, Basins, Bowls, Liquid Measures, Milk Pans, Slop Jars, Mats, Spittoons, Ice Water Jars and Buckets, Toilet Sets, Florists' Vases, Flower Pots, Saucers, etc.

Write for Illustrated Catalogue and Price List.

Fuller's Unique Wheel Hoes.



Superior to all tools made to cultivate between rows. Prices low as compared with the work of other tools. All parts can be duplicated at small cost. The handles are adjusted to any height. In fact, for closely planted crops these hoes are without an equal, and can be used an entire season. Having only one wheel, they run between the rows without bruising the tops; and having no frame work they do not tear the growing plants on either side.

Price, \$2.50.

Fuller's Daisy Scuffle Hoes.

Excellent for hoeing and thinning celery, lettuce, and similar crops, and for working amongst all running vines and young plants.

Price, 6 in. blade, 40c. 8 in. blade, 50c.

FULLER'S DAISY HAND WEEDERS.

A light and easy working weeder, and far ahead of anything of the kind on the market.

Price, 30c. By Mail, 40c.

ARLINGTON SCUFFLE HOES.

8 inch and 9 inch Blade, each, \$1.50

CAST STEEL GARDEN RAKES.

10 Teeth.....	each, 35 cents.
12 "	" 40 "
14 "	" 45 "
16 "	" 50 "



GARDEN REELS

50 cts. Each.

GARDEN LINES.

100 feet long, 50 cts. each,



CAST STEEL GARDEN TROWELS.

6 inch.....	15 cts.
7 "	20 cts.
8 "	25 cts.

6 inch extra solid steel Blade and Shank, 35 cts.

7 " " " " " " " 40 cts.

Cleves' Angle Trowel.



For the LAWN, a Plantin Digger. For the GREENHOUSE, a Transplanter. For the CONSERVATORY, a Cultivator. For the FLOWER GARDEN, an all around Handy Digger.

Price, 5 in. 15c.; 7 in. 25c.; 8 in. 30c. Add 5 cents if sent by mail.



EXCELSIOR WEEDER.

The only instrument that can be used to advantage among small and tender plants. This instrument will work well among rows of seedlings, among ornamental plants, or in any place where freedom from weeds is desired. It removes the weeds with far greater rapidity than in the usual manner, without injuring the plants or soiling the hands, and is in all respects one of the best instruments ever offered for that purpose. Price, 10 cts. each. By Mail 15 cts.

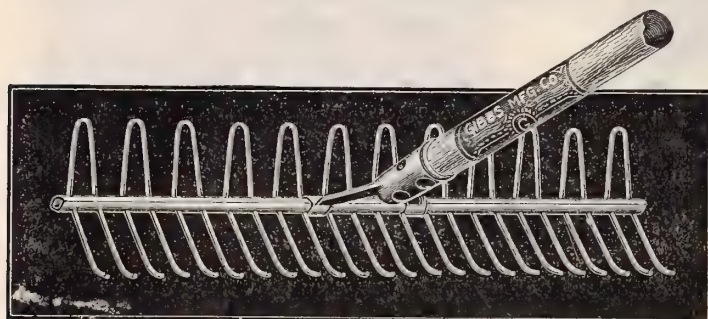
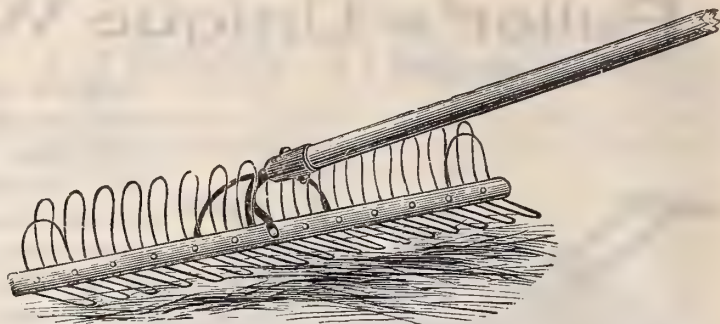
Floral Tools in Sets From 10 cents to \$1.00 per set.

THE GEM LAWN RAKE.

A Perfect Implement for Cleaning Lawns from Leaves, Grass and all kinds of Rubbish, and the only one that will do it without injuring the Grass and Roots.

Will level and prepare a garden bed for the seed better and quicker than any other tool. Grass will grow faster and look much better after being combed a few times with this rake.

Price, 40 cts.



GIBBS' LAWN RAKE.

Each, 40 cents.

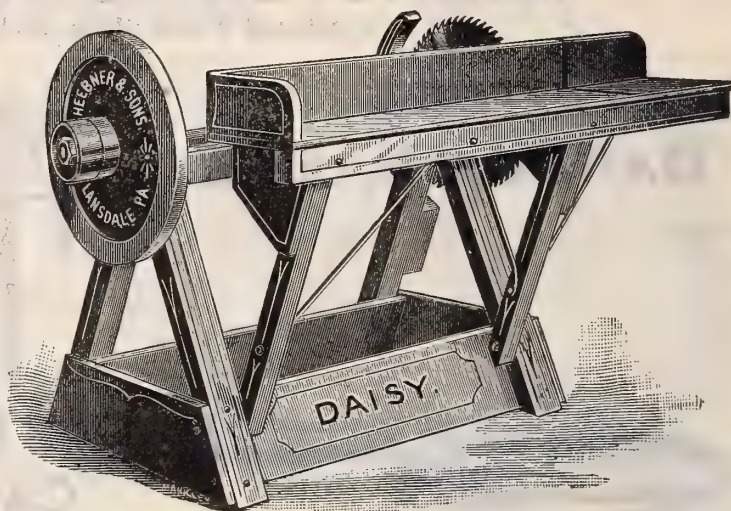
Heebners' "Daisy" Saw Machine.

The "Daisy" is a strong and durable machine, and is sold at a very low price. It is made of the very best materials, and so constructed that the machine can be operated with the least possible expenditure of power.

It runs so easily that a one-horse level tread power will drive it fast enough to keep two men busy while the machine is in operation.

The table has a swinging motion, which is easy and accurate, and when the saw blade is not in use, and the operator stops work, the table keeps the saw from exposure.

Either 20, 22 or 24-inch saw blade may be used. Larger saw blades may be used if it is stated in the order what size is desired, so that the shield, in rear, may be made to accommodate the larger saw.



Heebners' Level-Tread Horse Powers.

Double and Direct Geared Machines.

The Double Gear is a finely constructed, and very powerful machine, containing many points of excellence, and probably the best *double geared power* ever produced; easy on the team, durable, and perfectly satisfactory.

To those who desire a power for general purposes, at less cost, we recommend the *Direct Gear*. It is not so heavy as the double geared power; is cheaper, and is more easily handled. It is simple in construction, and so made, that it will run finely for years.

Heebners' Little Giant Thresher.

A leader in its class and has been since 1876, when it was first constructed and offered as a complete thresher. Since the introduction of the machine, many changes and improvements have been made, until by means of added devices and improvements the Little Giant has steadily maintained a lead over all competitors, which lead it holds today.

Write for descriptive catalogue and price lists of all the Heebner Machines.

THE "SIMPLEX"

Combined Churn and Butter Worker.

THE OBJECT sought in the design of the "SIMPLEX" Churn and Butter-Worker was to produce a machine that would overcome the objections which experience has shown to exist in previous types of combined machines, and at the same time to retain the advantages and good features resulting from the use of the separate box churn and rotary butter-worker.

PRICES, CAPACITIES, ETC.

No. 1—100 Gallon Drum.		No. 6—400 Gallon Drum.	
(DAIRY SIZE.)			
Churns.....	50 Gallons Cream	Churns.....	200 Gallons Cream
Works.....	100 lbs. Butter	Works.....	600 lbs. Butter
PRICE.....	\$80.00	PRICE.....	\$160.00
No. 3—200 Gallon Drum.		No. 9—600 Gallon Drum.	
Churns.....	100 Gallons Cream	Churns.....	300 Gallons Cream
Works.....	300 lbs. Butter	Works.....	900 lbs. Butter
PRICE.....	\$140.00	PRICE.....	\$200.00

Above prices are for painted frame and main castings galvanized.

For full galvanized frame and castings, add for No. 1, \$10.00; No. 3, \$15.00; No. 6, \$20.00; No. 9, \$30.00.

STAR

Milk Aerators and Coolers.

CREAM COOLER.

Will cool cream to within two degrees of temperature of water, used as fast as it comes from a separator, handling 2,500 pounds of milk per hour.

Has 1,016 square inches of cooling surface.

Price, with Removable Trough, \$15.00.

MILK COOLERS.

No. 0.	Cools	50 gals. milk per hour, Elevated water cooler,	\$20.00
No. 1.	"	60 " " " " plain cooler, \$25.00	Elv. water cooler, 30.00
No. 2.	"	90 " " " " " " 27.00	" " 33.00
No. 3.	"	120 " " " " " " 40.00	" " 47.00
No. 4.	"	150 " " " " " " 80.00	" " 90.00

MILK COOLERS, with Syphon Attachment.

For use in places where water cannot be raised high enough to run through cooler.

No. 0.	\$27.00
No. 1.	37.00
No. 2.	40.00
No. 3.	54.00
No. 4.	100.00

A thermometer should always be used with a milk cooler, to know *exactly* what it is doing.

REID'S IMPROVED PASTEURIZER.

All three cases are now made from copper, also the bottoms, where formerly only the inside case was copper. This will make the pasteurizers far more durable.

PRICE LIST.

Capacity 600 lbs. per hour.
600 revolutions per minute.
10 in. diameter, 12 in. high. Pulleys 5 x $1\frac{1}{2}$ in., \$66.00.

Capacity 1,000 lbs. per hour.
500 revolutions per minute.
 $11\frac{1}{2}$ in. diameter, 15 in. high. Pulleys 6 x $1\frac{1}{2}$ in., \$88.00.

Capacity 2,000 lbs. per hour.
500 revolutions per minute.
 $11\frac{1}{2}$ in. diameter, 18 in. high. Pulleys $7\frac{1}{2}$ x $1\frac{3}{4}$ in., \$115.50.

Capacity 3,500 lbs. per hour.
300 revolutions per minute.
18 in. diameter, 24 in. high. Pulleys 8 x $2\frac{1}{2}$ in., \$165.00.

Capacity 6,500 lbs. per hour.
300 revolutions per minute.
18 in. diameter, 30 in. high. Pulleys 10 x $2\frac{3}{4}$ in., \$220.00.

These pasteurizers are made to use *live* steam. If exhaust steam is to be used please advise us when ordering.



YANKEE CORN SHELLER.

A finely constructed and serviceable machine, at a moderate price, and one which runs easily, and works well on all sizes and kinds of corn.

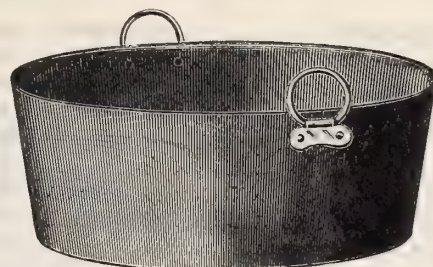
Price, each, - - \$6.00 plain.

" " " " - 6.50 with Separator.

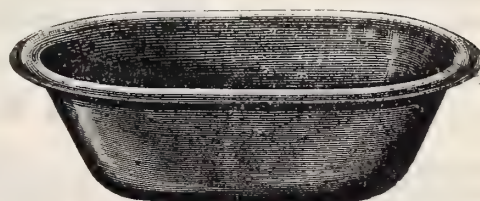
INDURATED FIBRE WARE.



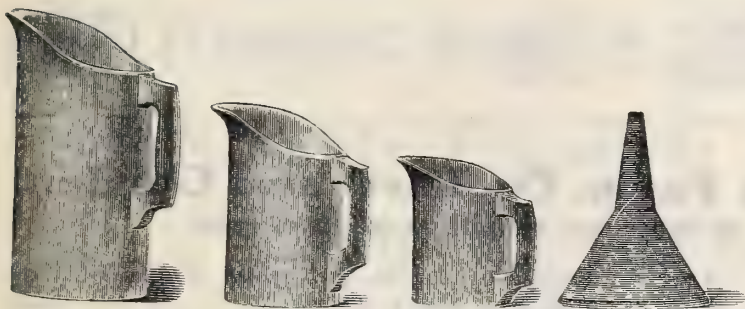
Wash Tubs.



Keelers.



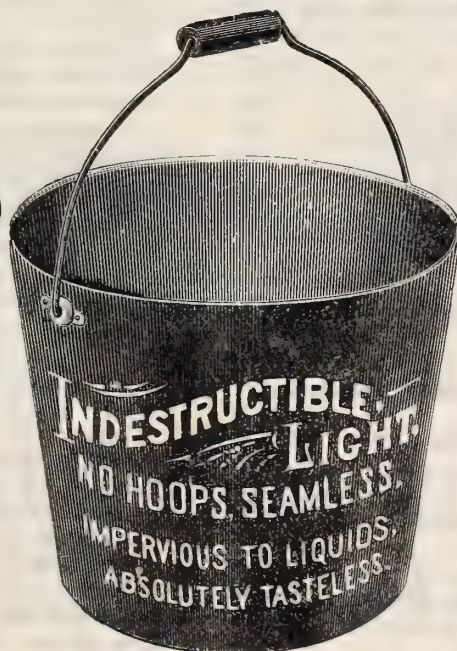
Oval Foot Tubs.



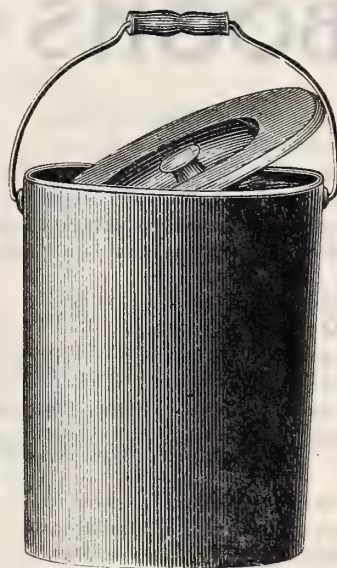
Liquid Measures and Funnels.



Pitcher and Bowl Sets.



Pails.



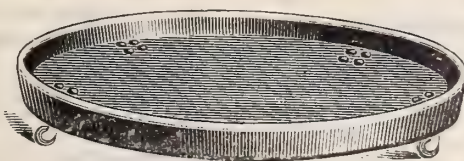
Slop Jars.



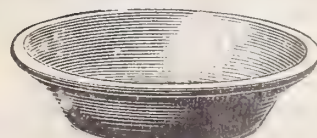
Ice Water Jars.



Spittoons.



Rolling Plant Stands.



Wash Basins.

Write for Circulars and Price List.

QUANTITY OF SEEDS REQUIRED FOR A GIVEN NUMBER OF HILLS OR LENGTH OF DRILLS.

Asparagus	1 ounce....	60 feet of drill	Parsnip	1 ounce....	200 feet of drill
Beet	1 "	50 "	Peas	1 quart....	75 "
Beans, Dwarf	1 quart ...	100 "	Radish	1 ounce....	100 "
Beans, Pole	1 "	150 hills	Spinach	1 "	100 "
Carrot	1 ounce ...	100 feet of drill	Squash, Early	1 "	50 hills
Cucumber	1 "	50 hills	Squash, Late	1 "	15 "
Corn	1 quart ...	200 "	Turnip	1 "	150 feet of drill
Melon, Water	1 ounce....	30 "	Cabbage	1 "	3000 plants
Melon, Musk	1 "	60 "	Cauliflower	1 "	3000 "
Onion	1 "	100 feet of drill	Celery	1 "	4000 "
Onion sets	1 quart....	40 "	Egg Plant	1 "	1000 "
Parsley	1 ounce ...	150 "	Lettuce	1 "	3000 "
Pumpkin	1 "	40 hills	Pepper	1 "	2000 "
Dandelion	1 "	100 feet of drill	Tomato	1 "	1500 "

NUMBER OF PLANTS RAISED FROM ONE OUNCE OF SEED.

Tomato	1,500 plants.	Celery	2,000 plants.
Pepper	1,000 plants.	Cauliflower	1,500 plants.
Lettuce	3,000 plants.	Cabbage	2,000 plants.

BOOKS on the Farm, Orchard and Garden.

All Books sent Postpaid on receipt of Price.

Apple Culture, Field Notes on, <i>Batley</i>	\$.75	Hedges, Windbreaks, etc. <i>Powell, E. P.</i>.....	.50
Asparagus Culture. <i>Barnes and Robinson</i>.....	.50	Hop, The. <i>Myrick, Herbert</i>	1.50
Barn Plans and Outbuildings	1.00	How Crops Feed. <i>Johnson, Prof. S. W.</i> ..	1.50
Beekeeping Explained, Mysteries of. <i>Quinby</i> ...	1.00	How Crops Grow. <i>Johnson, Prof. S. W.</i>	1.50
Bulbs and Tuberous Rooted Plants. <i>Allen, C. L.</i>	1.50	Insects and Insecticides. <i>Weed, C. M.</i>	1.50
Cabbage, Cauliflower and allied Vegetables. <i>Allen</i> .....	.50	Irrigation for the Farm, Garden and Orchard. <i>Stewart, Henry</i>	1.00
Celery for Profit. <i>Greiner, T.</i>.....	.20	Key to Profitable Stock Raising. <i>Myrick, Herbert</i>	.25
Cider Maker's Handbook. <i>Trowbridge</i>	1.00	Landscape Gardening. <i>Waugh, F. A.</i>.....	.50
Cranberries, Cape Cod. Paper. <i>Webb, James</i>...	.40	Land Measures for Farmers. Cloth. <i>Pedder</i>...	.50
Cranberry Culture. <i>White</i>	1.00	Mushrooms—How to Grow them. <i>Falconer, William</i>	1.00
Crops, Spraying. <i>Weed, Clarence M.</i>.....	.25	Manures—How to Make and How to Use Them. Paper. <i>Sempers, Frank W.</i>.....	.40
Dogs of Great Britain, America and other Countries, Compiled from Stonehenge and other standard writers.....	1.50	Manures, Method of Making. <i>Bommer</i>.....	.25
Drainage, Farm. <i>French</i>	1.00	Manures, Talks on. Revised Edition. <i>Harris, Jos.</i>	1.50
Draining for Profit and Health. <i>Waring</i>	1.00	Market Gardening and Farm Notes. <i>Landreth</i> ..	1.00
Draining Land. <i>Miles, Manly</i>	1.00	Onions, How to Raise Them .....	.20
Duck Culture. <i>Rankin, James</i>.....	.25	Pear Culture for Profit <i>Quinn</i>	1.00
Egg Farm, New, Revised and Enlarged. <i>Stoddard H. H.</i>	1.00	Pig, Harris on the. <i>Harris, Joseph</i>	1.00
Farm Gardening and Seed Growing. <i>Brill</i>	1.00	Plants, Handbook of. New England Edition. <i>Henderson, Peter</i>	3.00
Farm Appliances .....	.50	Plant Life on the Farm. <i>Masters</i>	1.00
Farm Conveniences.....	1.00	Plants, Your. <i>Sheehan, James</i>.....	.40
Farm Book, New American. <i>Allen, R. L. & L. F.</i>	2.00	Plums and Plum Culture. <i>Waugh, F. A.</i>	1.50
Farm of Four Acres, Our .....	.30	Potato Culture, A. B. C. of. <i>Terry</i>.....	.55
Feeds and Feeding. <i>Henry, W. A.</i>	2.00	Profits in Poultry and their Profitable Management	1.00
Floriculture, Practical. <i>Henderson, Peter</i>	1.50	Quince Culture. <i>Meecher, W. W.</i>	1.00
Forage Crops. <i>Shaw, Thomas</i>	1.00	Rose, On the. <i>Parsons</i>	1.00
Forestry, Practical. <i>Fuller, A. S.</i>	1.50	Rose Culture, Secrets of. <i>Hatton, W. J.</i>.....	.50
Fruit Garden, The. <i>Barry, P.</i>	1.50	Rhubarb Culture. <i>Thompson, Fred S.</i>.....	.50
Fruit Grower, Practical. <i>Maynard</i>.....	.50	Silos, Ensilage and Silage. <i>Miles</i>.....	.50
Gardening for Pleasure. New and Enlarged Edition <i>Henderson, Peter</i>	1.50	Small Fruit Culturist. <i>Fuller, A. S.</i>	1.00
Gardening for Profit. New and Enlarged Edition. <i>Henderson, Peter</i>	1.50	Soils and Crops of the Farm. <i>Morrow, E.</i>	1.00
Garden, Money in the. <i>Quinn</i>	1.00	Soiling, Crops and Silos. <i>Shaw, Thomas</i>	1.50
Garden, Play and Profit in My. <i>Roe, E. P.</i>	1.00	Strawberry Culturist. <i>Fuller, A. S.</i>.....	.20
Greenhouse Construction. <i>Taft, Prof. L. R.</i>	1.50	Tomato Culture.....	.35
Greenhouse, Management. <i>Taft, Prof. L. R.</i>	1.50	Turkeys, How to Raise Them. <i>Myrick, Herbert</i> ..	1.00
		Wheat Culture. <i>Curtis</i>.....	.50
		Window Flower Garden. <i>Heinrich</i>.....	.50

BIRD SEEDS, ETC.

By mail 8c. per lb. additional for postage.

Prices variable.

	lb.		lb.		lb.
Canary.....	.10	Rice—Unhulled.....	.10	Cattle Bone.....	.50
Hemp.....	.10	Lettuce. Per oz., 10c.....	.50	Bird Gravel..Per Package, 5c.	
Maw.....	.15	Mocking-Bird Food. Prepared.		Sunflower Seed.....	.10
Millet.....	.10	.....Per bottle, 30c.		Parrot Food. Mixed finest....	.10
Rape.....	.10				

FLOWER SEEDLINGS.

	Per Doz.		Per Doz.
Aster.....	15c.	Phlox.....	15c.
Pinks.....	15c.	Stocks.....	15c.
Petunia.....	15c.	Pansies (choice strains).....	35c.
Zinnia.....	15c.	Verbenas.....	30c.
Balsam.....	15c.	Snapdragon.....	15c.

CARNATION PINKS, (in 4 inch pots.) Selected for Summer Blooming. Each 15 cents ;
\$1.50 per doz.

CANNAS (New Varieties.) (in 4 inch pots. Selected for Summer Blooming.
Each 15 cents; \$1.50 per doz.

DUTCH FLOWERING BULBS. —Our Bulb Catalogue will be issued in September and mailed free to all who write for it.

STANDARD GLAZED SEWER PIPE,

—AND—

LAND TILE FOR DRAINING.**Herbicide or Weed Exterminator,**

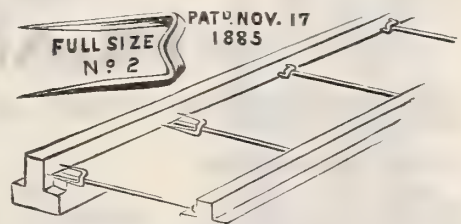
For the Destruction of Weeds and Grass, in Walks, Driveways, Gutters, &c.

Price, 1 qt., 60c.; 1 gal., \$1.75.

**Van Reyper
GLAZING POINTS.**

Made from galvanized steel wire, are cheap and indestructible. Easy to apply, and perfectly satisfactory to use.

Per 1,000, 60 cts.; by mail, 75 cts.



Patented Jan. 5, '75.
Re-issued June 5, '77.
Patented Apr. 25, '82.

**Lightning and Mason
FRUIT JARS.**

All Sizes Constantly in Stock.

EXTRA RUBBERS A SPECIALTY.

TRELLISES.



Veranda Trellis.



No. 2. No. 3 1/2. No. 1.
(Bow Trellis.)



Ivy Trellis.



No. 0 wide.

No.	Each.	Per doz.
00 18-in. stick, 3 1/2-in. wide,.....	\$0.05	\$0.50
00 wide, 20-in. stick, 8-in. wide, ....	.08	.75
0 24-in. stick, 5-in. wide,.....	.08	.75
0 wide, 24-in. stick, 8-in. wide,.....	.10	1.00
0 1/2 24-in. stick, 7 1/2-in. wide.....	.15	1.50

	Each.	Per doz.
IVY TRELLIS.—16-in. diameter,.....	.45	\$5.00
“ 20 “ “ .....	.60	7.00
“ 24 “ “ .....	.75	8.50
FAN TRELLIS.—1 1/2 ft., “ .....	.10	1.00
“ 2 ft., “ .....	.15	1.50
“ 2 1/2 ft., “ .....	.20	2.00

BOW TRELLIS.		
No. 1, 30x10 in.,.....	\$0.20	\$2.00
“ 2, 30x14 “ .....	.30	3.50
“ 3, 36x12 “ .....	.40	4.00
“ 3 1/2, 42x14 “ .....	.45	4.50
“ 4, 48x15 “ .....	.50	5.00
“ 5, 60x18 “ .....	.60	6.50
“ 6, 72x20 “ .....	.75	8.00
CROSS TRELLIS.		
24x15 1/2 in.....	\$0.30	\$3.00
42x24 “ .....	.40	4.50

VERANDA TRELLIS.		
2 ft.,.....	\$0.30	\$3.00
3 “ .....	.40	4.00
4 “ .....	.50	5.00
5x1 1/2, “ .....	.70	8.00
6x1 1/2, “ .....	.80	9.00
7x1 1/2, “ .....	.95	11.00
8x1 1/2, “	1.10	12.00
9x1 1/2, “	1.25	13.50
10x1 1/2, “	1.50	16.50
11x2 “	1.75	19.50
12x2 “	2.00	22.50

PLANT STICKS.

From two to six feet in length, used for supporting single stalks of roses, dahlias, etc.

	Each.	Doz.	Hundred.
1 1/2 feet, painted green	\$.02	\$.15	\$1.00
2 “ “ “ .....	.03	.20	1.35
2 1/2 “ “ “ .....	.04	.25	1.75
3 “ “ “ .....	.05	.35	2.75
4 “ “ “ .....	.06	.60	4.00
5 “ “ “ .....	.07	.70	5.00
6 “ “ “ .....	.10	1.00	6.00

WOOD POT LABELS.

PLAIN.		PAINTED.		PLAIN.		PAINTED.	
Per 100.		Per 1000.		Per 100.		Per 1000.	
3 1/2 inch.....	.10	.40	.10	.60	4 1/2 inch.....	.10	.50
4 inch.....	.10	.40	.10	.65	5 inch.....	.10	.60
						.15	.85

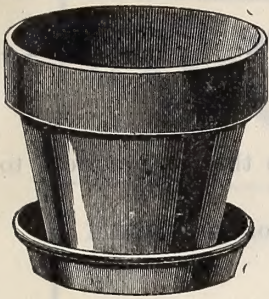
Hot Bed Mats. Hand made and very heavy; nothing but the best rye straw is used. Size, 6x6 ft., \$1.50. Other sizes made to order.

Tinfoil. For bouquets, Lb., 12 cts.

Twine, Soft. For tying vines, etc., very strong. Large balls, 10 cts.

Tarred Yarn. Low priced material for raspberries, shrubs, etc. Lb., 12 cts.

Thermometers, Self-Registering. These register accurately the coldest, also the warmest point of temperature, \$2.25.



FLOWER POTS. Standard.

Measurement from inside to inside. Width and depth equal.

Pots.			Saucers.		
Inches.	Per Doz.	Per Doz.	Inches.	Per Doz.	Per Doz.
2	\$.10		7	\$.90	\$.45
2½	.12		8	1.25	.60
3	.15	\$.12	9	1.75	.75
3½	.20	.15	10	3.00	.95
4	.25	.18	11	3.50	1.10
5	.40	.24	12	5.00	1.35
6	.60	.32			

Round Seed and Bulb Pans.

Inches.	Each.	Per Doz.
6	\$.07	\$.72
7	.08	.85
8	.10	.96

Inches.	Each.	Per Doz.
9	\$.13	\$1.35
10	.15	1.60
12	.20	2.15

Special quotations to Florists.

Trowbridge's Grafting Wax.

The finest quality made, put up in neat packages with directions for use. 25c. per lb. ½ lb. package, 15c. ¼ lb. package, 10 cts. By Mail, 15 cts. per lb. extra.

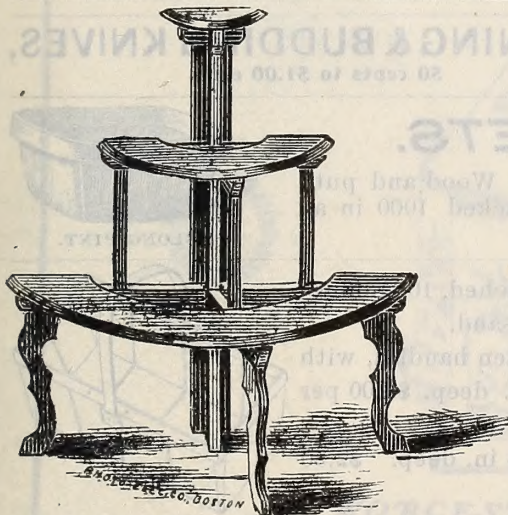
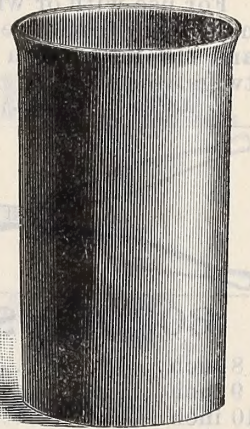
Florists' Vases,

For Displaying Cut Flowers.

No.	8	in. diam.,	13	in. deep.	PER DOZ.
1.	5½	"	10	"	4.20
2.	4½	"	9	"	3.60
3.	4	"	6	"	3.00
4.	3	"	4½	"	2.40
00.	9	"	22	"	9.00
11.	5½	"	18	"	5.40
22.	4½	"	15	"	4.80
33.	4	"	12	"	4.20
44.	3	"	9	"	3.60

Flower Pot Saucers.

Made of fibre; no moisture passes through to injure table, floor, or carpet.



EXCELSIOR PLANT STAND.

Excelsior Wood Plant Stands.

3 Shelves, \$1.00.

4 Shelves, \$1.25.

Wire Plant Stands.

From \$1 to \$5 each.



NOT IN USE

GALVANIZED WIRE

TOMATO SUPPORT.

Made of galvanized wire, that will not rust or rot out. It is easily set, and the legs being doubled, the greater the pressure, the firmer the support. It takes up no room in the winter, as it may simply be hung on a peg till wanted again next year. It is the simplest, strongest, most durable, most easily operated and cheapest support we have seen. Price, each, 15c.; per doz., \$1.25.



IN USE



Water's Improved Tree Pruner.

Does not crush the wood like the thick bladed shears.

Is the lightest device made for the purpose.

Will cut larger wood than any other device that is practical to handle.

Will clip the slightest twig on the extreme end of the limb.

Will reach higher than any other.

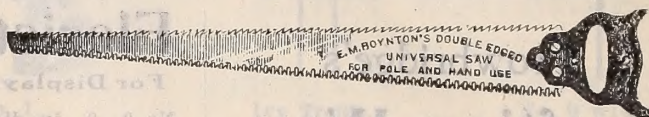
PRICE LIST.

4 feet.....	\$.65	10 feet.....	\$1.15
6 feet.....	.75	12 feet.....	1.25
8 feet.....	.90	Extra Blades.....	.25

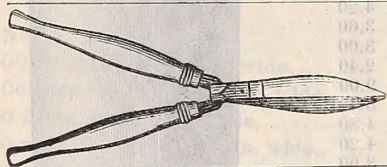
BOYNTON'S DOUBLE-EDGED PRUNING SAW.

For use with or without pole. The lighting edge teeth are for cutting the limbs, and the back teeth are for cutting off the twigs.

18 inch, 75 cts.; 20 inch, 85 cts. each.



HEDGE SHEARS.



8 inch,	\$1.25
9 inch,	1.35
10 inch,	1.75

BORDER SHEARS.

8 inch.....	\$2.50
9 inch.....	3.00
10 inch.....	3.50
With wheel, 50 cents extra.	



BORDER KNIVES.

9 inch with Handle.....	50 cts. each.
10 " " " ".....	60 " "

TAYLOR'S PRUNING SHEARS,

8 inch, 50c. per pair. 10 inch, 75c. per pair.

PRUNING & BUDDING KNIVES,

50 cents to \$1.00 each.



QUART.

BERRY BASKETS.

Our Berry Baskets are made of White Wood and put up in good strong crates. They are packed 1000 in a crate. Write for prices.

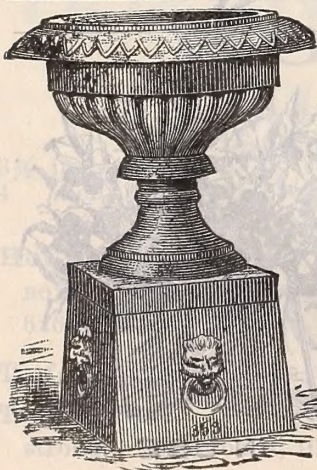
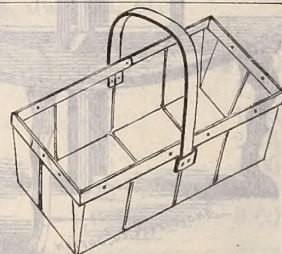


OBLONG PINT.

Baskets, Verbena, Marston's. Wire handle attached, 10 in. long; 5 in. wide; 3 in. deep. \$2.00 per hundred; \$18.00 per thousand.

Baskets, Verbena, Marston's. Adjustable wooden handles, with tin fastenings on the ends. 10 in. long; 5 in. wide; 3 in. deep. \$2.00 per hundred; \$18.00 per thousand.

Marston's, Large Size. 12 in. long; 7 in. wide; 4 in. deep. \$2.50 per hundred; \$23.00 per thousand.



GARDEN VASES.

A FULL ASSORTMENT.

Send for Illustrated Catalogue and Price List.

IRON BOUQUET HOLDERS.

No. 1, Small.....	20 cents.
No. 2, Medium.....	25 cents.
No. 3, Large.....	30 cents.

ROFFEA.

The best material for tying plants, very soft, strong and pliable. 20 cents per pound.

"WORCESTER SALT"

*THE ONLY ENTIRELY PERFECT DAIRY AND TABLE
SALT MANUFACTURED.*

ABSOLUTELY PURE,

*Having an Even, Velvet Grain, Quick Dissolving Properties, and Superb
Working Qualities, it is for sale by all dealers, and is
used by nearly every*

CREAMERY, HOUSEWIFE and HOTEL.

✂ ✂ ✂ ✂
"THE NEW PREPARED"

IVORY TABLE SALT,

Will not harden in the Salt Shaker under any conditions.



WORCESTER PACKING SALT.

Purified by the same process as the Worcester Dairy Salt, put up in dirt proof bags, it is clean and strong, not as coarse as Turk's Island, works quicker and better, and for packing pork or beef, it is superior to any salt in use. A trial will convince all of its merits.

KENDALL & WHITNEY,

STATE AGENTS,

PORTLAND,



MAINE.

